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Catalogue  
"Sterling Quality" Seeds  
1931

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"Ironclad," Cape Elizabeth, Maine  
*One of many beautiful estates on the Cape shore*

ALLEN, STERLING & LOTHROP  
*49 Exchange Street - 64 Market Street  
Portland, Maine.*



# Information and Suggestions to Customers

## Free Delivery

We deliver "Sterling Quality" flower and vegetable seeds *free* to any address in the United States when purchased by the *packet, ounce, half pound* and *pound* excepting peas, beans and corn. Kindly add sufficient amount to cover postage on these items.

## Orders

Should be written on our order sheet or on a blank sheet separate from letter, preferably in ink. *Be sure to sign your name and give your address.*

## Telephone Orders

Will be given immediate attention. Call Portland: Forest 624 or Forest 625.

## Non-Warranty

We give no warranty, express or implied, as to quality, description, productiveness, or any other matter of any seeds, bulbs or plants we send out, and will not be in any way responsible for the crop.

### PARCEL POST RATES APPLYING TO MDSE. MAILED AT PORTLAND P. O.

Weight limit 1st, 2nd, and 3rd zones, 70 lbs.; in other zones, 50 lbs.  
Bulk limit to all zones, 84 inches. Poisons (Insecticides) cannot be sent by parcel post. Liquids and goods packed in glass should be sent by express.

		First Pound	Each Additional Pound	Weight Limit
Portland and Rural Delivery	Local	7c.	1c.	70 lbs.
Within 150 miles	Zone 1 and 2	7c.	1c.	70 lbs.
150 to 300 "	" 3	8c.	2c.	70 lbs.
300 to 600 "	" 4	8c.	4c.	50 lbs.
600 to 1,000 "	" 5	9c.	6c.	50 lbs.
1,000 to 1,400 "	" 6	10c.	8c.	50 lbs.
1,400 to 1,800 "	" 7	12c.	10c.	50 lbs.
1,800 miles and over	" 8	13c.	12c.	50 lbs.

# DUBOIS Woven Wood Fence

BEAUTY , PROTECTION , PRIVACY

*for* Estates, Suburban and City Homes, Gardens  
Laundry Yards, Front and Side Lawns, *Etc., Etc.*

From a famous wood-working factory in France comes Dubois Woven Wood Fence.

It is made of split, *live*, chestnut saplings which have first been carefully matched and then woven together against horizontal braces with heavy wire to form a solid screen.

Only the straightest saplings are chosen and the work is done entirely by hand. This makes for a perfection of form that machine-split fencing cannot duplicate. The wire used in binding the saplings is Copperweld, which not only possesses great strength but is absolutely rust-proof.

Dubois is shipped just as it is imported, in 5 ft. sections, and is easily handled. It comes in six heights, 10', 8', 6' 6", 4' 11", 3' 10", and a special new 18" height for bordering flower beds. It is also made up into charming gates, either curved or straight at the top. Special designs, blending the various heights, can be made upon order if desired.



*Ask for Special Dubois Catalogue!*





# 1931 Catalogue of "Sterling Quality" Seeds

Garden, Field, Flower and Lawn

Following our custom of recent years this catalogue is essentially a *Seed Catalogue* containing only a few of the many items we carry in our general lines.

Our complete stock includes an extensive line of

Barn Equipment, Dairy and Poultry Supplies, Sprayers,  
Insecticides, Farm and Garden Tools, Plants,  
Bulbs, Janitor's Sundries, Fertilizers, Etc.

## Our Cover

This year we are again fortunate in having on our cover a picture which should be of real interest to garden lovers. It is a scene from "Ironclad," the beautiful estate of Mr. and Mrs. Lyman B. Chipman, at Cape Elizabeth, Maine.

"Ironclad" was the name given to the original old stone house which nestled on the cliffs looking out over the broad Atlantic, when owned by a club of prominent Portland men years ago. In developing his new home Mr. Chipman very happily left the old stone house almost intact.

This estate is not only one of the most beautiful along the Maine coast but the name "Ironclad," as applied to this home, is certainly synonymous with true Maine hospitality, as literally thousands of Mr. and Mrs. Chipman's friends and acquaintances can attest.

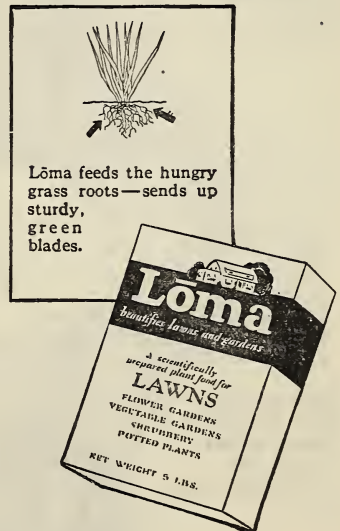
ALLEN, STERLING & LOTHROP.

## The Quick Way to a Beautiful Lawn

*You can actually see the results  
in a week—ten days!*

NOW is the time to feed your grass with vitalizing, life-giving Lōma! For Lōma supplies the hungry roots with potash, phosphates and nitrates. Sow it like you do grass seed—wash it down well—and in a week, ten days, you will see the difference. Deep-rooted, thick grass—so sturdy that it will crowd out the weeds this summer. Lōma is the perfect plant food—it also does wonders for vines and shrubs, flower and vegetable gardens. Come in—we'll tell you all about it. Or phone your order, now.

1-lb. household size	\$ .25	10-lb. bag, enough	
5-lb. carton, enough		for 10 ft. x 20 ft.	\$ .85
for 10 ft. x 10 ft.	\$ .50	25-lb. bag, enough	
		for 20 ft. x 25 ft.	\$ 1.75
50-lb. bag, for 25 x 40 ft.	\$ 3.25	100-lb. bag, for 40 x 50 ft.	\$ 6.00





State  
Distributors

Germaco  
Hotkaps



## Earlier Crops Mean Higher Prices!

*This Proved Method of Plant Protection  
Means Big Profit to You Next Year*



1. Place HOTKAP  
in Setter.

2. Place Setter  
Over Seed or  
Plant.



3. Press Setter  
 $\frac{1}{4}$  Inch in  
Ground.



4. Place Small  
Amount of  
Dirt Around  
Edge of Setter.



5. Remove Setter  
from HOTKAP.  
One Man can  
Place 3,000  
HOTKAPS Per  
Day.



The illustration above shows what Germaco HOTKAPS mean to growers of all vine crops. The plants illustrated were sown in a seeder. HOTKAPS were placed over spots in the row. Note how quickly the plants under them have grown—the head-start they have in the race for high priced markets.

HOTKAPS cost you little to use and bring big profits. They save you worry, too, over frost, wind, hail, rain, insects and ground crusting. They put each of your plants under a hothouse to grow quicker and hardier—without danger of loss.

Write us today about these profit makers. Or simply order the supply you need for next season.

Prices: 1,000 lots, \$11.50; 5,000 lots, \$11.00; 10,000 lots, \$10.75. 250 trial packages, including special type garden setter, \$4.00; Germaco steel HOTKAP setter, \$2.50.

If you need HOTKAPS for your backyard garden, note these prices: 50 with special setter, \$1.50; 100 with garden setter, \$2.50; garden setter alone, 50 cents.

Germaco  
Hotkaps





## DESCRIPTIVE GENERAL LIST

**“STERLING QUALITY” VEGETABLE SEEDS**

Note—We deliver postpaid to any post office within the U. S. vegetable seeds in packets, ounces, and pounds, except beans, corn, and peas. If these are desired by parcel post, add regular parcel post rates as found on inside cover of this catalogue.

**Asparagus Seed**

Sow the seeds thinly in April or May in rows one foot apart and one inch deep; when the plants are well up, thin to 3 or 4 inches apart in the rows.

One ounce will produce about 200 plants, 4 to 5 pounds to the acre.

**Washington.** A rust resistant variety of vigorous growth and excellent quality. The tips are tight and firm and do not open out until well out of the ground. Recommended for the home and market garden. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Asparagus Roots**

Plant in rows 3 feet apart and 1 foot in the rows, covering the plants about 6 inches.

The soil should be thoroughly manured and trenched, at least 2 feet.

We offer strong two year old roots grown from selected seed in the following varieties. (See description of seed.)

NOTE—As the Washington has proven to be the best variety produced, we are offering only this variety this season.

**Washington,** 100 roots, \$2.00. Postpaid, \$2.25.

Special quotations by the thousand.

**BEANS—Dwarf or Bush, Green Podded**

Plant in light, warm soil in the spring when danger from frost is past, in drills from 2 to 3 feet apart, covering about 2 inches deep. Sow every two weeks for a succession. Cultivate frequently until they blossom but only when dry.

If wanted by Parcel post, add postage.

Two pounds will plant 100 feet of drill

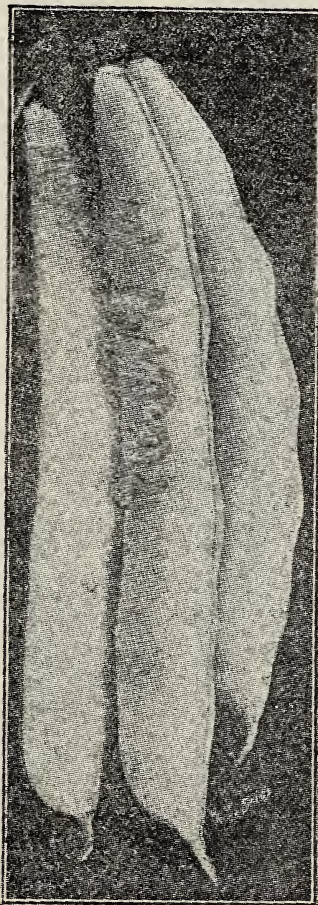
**BOUNTIFUL.** One of the most popular garden beans. Extra early and prolific, flat green pods, 6-7 in. long, very tender.

Pkt. 15c., lb. 35c., 2 lbs. 60c.

**Burpee's Stringless Green Pod.**

Combines unusual hardiness, extreme earliness and wonderful productiveness. The pods are tender, brittle and of the finest flavor; always entirely stringless.

Pkt. 15c., lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.



SURE CROP STRINGLESS WAX

**Burpee's Improved Bush Lima.**

Compared with Burpee's Bush Lima, both pods and beans are very much larger, while the beans, either green or dry, are nearly twice as thick and ready to market eight to ten days earlier.

Pkt. 20c., lb. 40c., 2 lbs. 75c., 15 lbs. \$3.75.

**FRENCH'S DWARF HORTICULTURAL.** This is a bean of the Horticultural type.

Pods remarkably large, many containing seven beans, beautifully splashed with bright crimson. Never spots or rusts. The vines are vigorous and productive, inclined to send out runners, which do not effect the bean in any way. Very popular with market gardeners.

Pkt. 15c., lb. 35c., 2 lbs. 70c., 15 lbs. \$3.75.

**Low's Champion.** Very early, absolutely stringless, exquisite flavor, very productive. One of the finest snap beans, an excellent shell bean, and is of splendid flavor when cooked dry.

Pkt. 15c., lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.





## BEANS—Dwarf or Bush, Green Podded (ct'd)

**Refugee or 1000 to 1.** The pods are fleshy and remarkably solid. They are brittle in texture and mild in flavor, but have slight strings. Somewhat later than the other green-podded sorts, but widely grown on account of its productiveness. Refugee is much grown for canning. The pods measure from 5 to 5½ inches in length. The flavor is good.

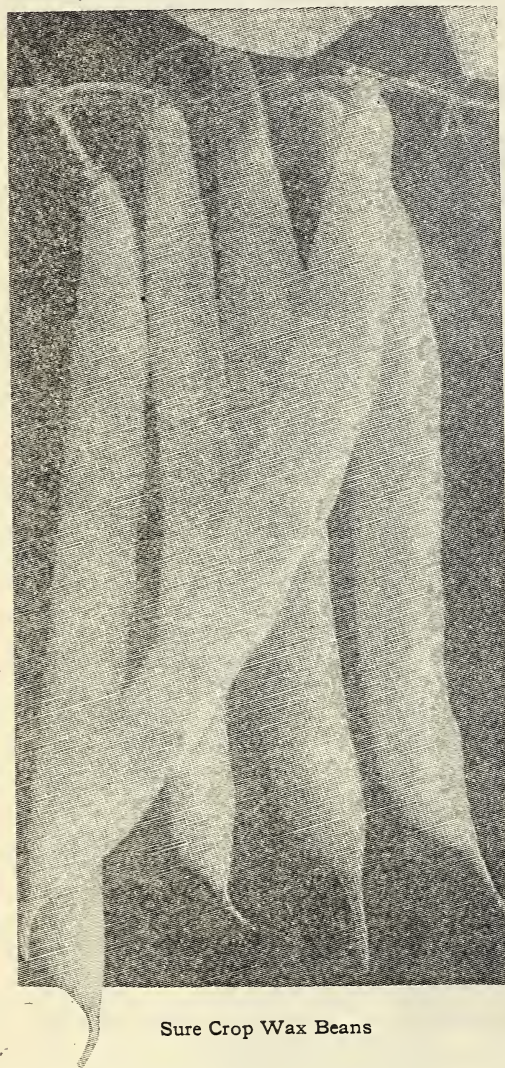
Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

**Broad Windsor.** (English.) Plant as early in the spring as the ground can be worked, from 2 to 4 inches apart in drills 3 feet apart, cover the seed about 4 inches.

Pkt. 20c., 1 lb. 40c., 2 lbs. 75c.

**Red Kidney.** Fine for baking and a good shell bean.

1 lb. 30c., 2 lbs. 50c., 15 lbs. \$3.00.



Sure Crop Wax Beans

**Snowflake Pea.** The best small white pea bean, early and productive.

1 lb. 30c., 2 lbs. 50c., 15 lbs. \$3.00.

**Yellow-Eyed (Old-fashioned).** Very productive. Fine for baking, extensively grown as a dry bean for winter use.

1 lb. 30c., 2 lbs. 50c., 15 lbs. \$3.00.

**Yellow-Eyed (Improved).**

1 lb. 20c., 2 lbs. 35c., 15 lbs. \$2.25.

## BEANS—Dwarf or Bush, Wax Podded

**Black Wax, Pencil Pod.** Pods are long, pencil like, tender and brittle. In color they are a rich, dark yellow, hardy and productive.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

**Burpee's Kidney Wax.** An early and very productive variety, pods are entirely stringless and of fine quality. Free from blight and rust.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

**Improved Golden Wax.** An early, hardy variety, flat, golden-yellow pods.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

**Sure Crop Stringless Wax.** A wax-podded variety of remarkable growth and productiveness. Plants hardy and prolific; pods 7½ inches long and about ½ inch wide, of a rich yellow color, perfectly stringless, excellent for home and market gardens.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

## BEANS—Pole

Plant in hills 4 feet apart, 4 to 5 beans to a hill. Poles should be firmly set before planting.

**Horticultural or Speckled Cranberry.** An old favorite, early and prolific; excellent quality either as a snap or shell bean or for cooking dry.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

**Kentucky Wonder, or Old Homestead.** A long, green podded variety, very prolific and of fine quality and perfectly stringless.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

**Kentucky Wonder Wax.** The best pole wax bean; it is similar in habit of growth to "Kentucky Wonder Green Pod."

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

**Lazy Wife's.** Beans white; pods green, very thick, meaty, entirely stringless; very productive.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 15 lbs. \$3.50.

**Red Cranberry.** The pods are green, large and tender; one of the best snap beans.

Pkt. 20c., 1 lb. 40c., 2 lbs. 70c., 15 lbs. \$3.75.

**Yellow Cranberry.** Early maturity and very long season. Excellent snap or shell bean. Very prolific, tender and free from strings.

Pkt. 20c., 1 lb. 40c., 2 lbs. 70c., 15 lbs. \$3.75.





## BEET

Sow as early in the spring as the ground can be worked. For succession sow at intervals until the first of July. The soil should be well enriched with stable manure and plowed and harrowed until very fine. Sow in drills 15 inches apart and cover one inch. When well up thin out 4 inches apart in the rows.

*One ounce to fifty feet of drill; six pounds to the acre.*

**EARLY WONDER.** A fine early variety, the market gardener's favorite on account of its symmetrical form, dark color, small top and early maturity.

Pkt. 10c., oz. 20c., 2 oz. 35c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Crosby's Egyptian.** The roots are flattened, globe shaped and very smooth. Exterior color of root bright red. The flesh is bright vermillion red, zoned with a lighter shade, very sweet, tender and of excellent quality.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Detroit Dark Red.** The best beet for the market and home garden. Tops small, upright in growth. Root medium-sized, globular or nearly round, very smooth, and of dark blood red color. Very desirable for bunching. Uniform in growth and unsurpassed in quality.

Pkt. 10c., oz. 20c., 2 oz. 35c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Edmand's Blood Turnip.** A medium early sort, deep red, popular with market gardeners. Our seed is grown from selected roots saved for seed.

Pkt. 10c., oz. 15c., 2 oz. 25c.,  $\frac{1}{4}$  lb. 35c., lb. 75c.

**Long Smooth Blood.** Growing a large dark red leaf—very desirable for greens.

1 oz. 10c., 4 oz. 25c., lb. 50c.

## MANGEL WURZEL AND SUGAR BEET

Sow in drills 2 inches deep, about 2 feet apart, thin out to 10 inches apart. *Six pounds to the acre.*

**Mammoth Long Red.** This variety produces roots of mammoth size and is enormously productive. Yielding from thirty to forty tons per acre on well prepared land.

Oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 70c., 5 lbs. \$2.50.

**Golden Tankard.**

Recommended for dairymen on account of its milk-producing properties. The flesh is a rich golden yellow.

Oz. 10c.,  $\frac{1}{4}$  lb. 25c., lb. 70c., 5 lbs. \$2.50.

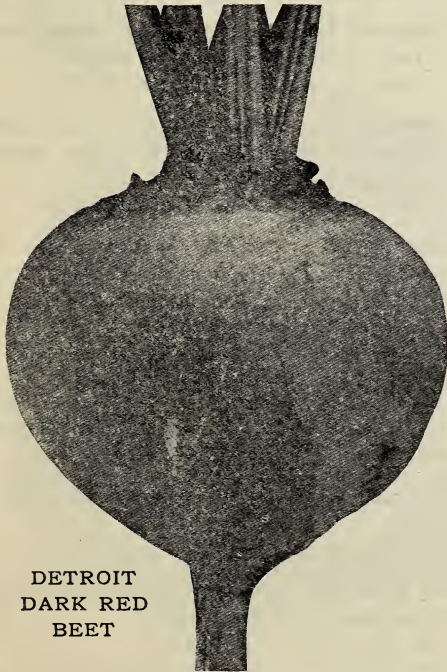
**Giant Feeding Sugar Beet or Half Sugar Mangel.**

A strain of beets very desirable for stock feeding, affording not only a very large crop much easier to harvest than other sorts, but also having a higher nutritive value, being especially rich in sugar. Roots light bronze green above ground, grayish white below with white flesh.

Oz. 10c.,  $\frac{1}{4}$  lb. 35c., lb. 75c.



GIANT FEEDING SUGAR BEET, OR  
HALF SUGAR MANGEL



DETROIT  
DARK RED  
BEET

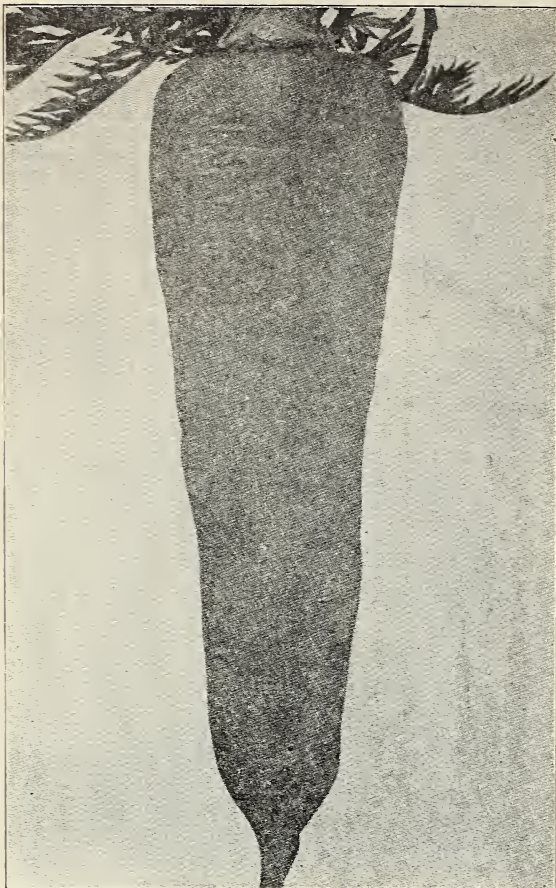
## Swiss Chard or Spinach Beet

The leaves are used as greens and served like spinach. The mid-ribs may be cooked like asparagus. Cuttings may be used all summer, as it can be cut down to the ground and new shoots will soon spring up and make fast growth.

**Lucullus.** The largest and best.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.25.





DANVERS' HALF LONG CARROT

## Brussels Sprouts

Cultivate the same as cabbage. The sprouts resemble miniature cabbage and are very tender.

**Improved Dwarf.** A standard sort.

Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Improved Long Island.** The finest variety, very compact sprouts.

Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50

## Broccoli

A vegetable much resembling cauliflower.

**White Cape.** The most desirable variety.

Pkt. 10c., oz. 60c.

**Special Italian.** Heads compact, of a good size, and most certain to head.

Pkt. 20c., oz. \$3.00.

## Chervil

An aromatic sweet herb used for flavoring and garnishing.

**Curled.** Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 85c.

## CARROT

Carrots do best in a good, light and rich soil. Sow in April or May for the early crop, and for the main crop sow in May or June in drills about  $\frac{1}{2}$  inch deep, in rows 14 inches apart, and thin plants to 3 or 4 inches in the rows.

*One ounce to 100 feet of drill; four pounds to an acre.*

**Danvers' Half-Long. Special Market Gardeners' Strain.** The best sort for the main crop, dark orange color, growing very smooth, yielding large crops, and is a splendid keeper; roots medium length, tapering uniformly to a blunt point. This selected stock we are now offering has been specially grown for market gardeners and is much superior to the ordinary strain of Danvers' Half-Long.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 65c., lb. \$2.00.

**Hutchinson.** A carrot of great length and cylindrical shape almost to the point, grows with tops slightly out of ground, a very heavy yielder per acre. Small circle of green on top of root out of ground portion.

Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**Chantenay.** A medium early, half-long variety. The flesh is crisp and tender.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.75.

**Improved Long Orange.** Deep orange color, roots of large size and good keeper.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Guerande or Oxheart.** Medium early roots, short and thick. The flesh is bright orange, fine grained and tender.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Nantes Half-Long Scarlet.** A stump-rooted variety. Flesh fine grained, mild and sweet.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

## Cress or Peppergrass

Sow early in the spring on rich soil in drills 10 or 12 inches apart and make frequent sowing every two weeks. Cover seed about  $\frac{1}{4}$  inch.

**Extra Curled.** Fine flavor, may be cut several times.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c.

**Water Cress.** Sow in the spring near the margin of ponds or running streams.

Pkt. 10c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.





# CABBAGE

The cabbage is an important crop and should be planted in fresh, rich soil, well manured and deeply dug or plowed. For early use sow in a hotbed in March, transplant to the open ground when danger from frost is past. Plant the early sorts about 18 inches in the rows and the late sorts about 2 feet in the rows and the rows about 3 feet apart. For the late crops sow in the open ground in June. Our cabbage seed is grown from selected stock and is equal to any offered in the market.

*One ounce will produce about 2,000 plants.*

## COPENHAGEN MARKET

An extra early variety: heads ball-shaped, large and solid, averaging in weight about 10 pounds. The most evenly-maturing and large heading early cabbage.

Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25.

**Early Jersey Wakefield.** A standard early market variety, conical in shape and good quality; heads uniform and solid.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.



COPENHAGEN MARKET CABBAGE

## "A. S. & L."

### CAPE ELIZABETH

Selected seed grown for us at Cape Elizabeth, Maine—a section noted throughout the country for the excellency of its cabbage.

Heads hard, solid, tender and crisp. It is remarkable for its long-keeping qualities. One of the best shipping varieties.

Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.50.



DANISH BALL HEAD CABBAGE

**All Seasons.** Large heads, round and very solid and sure heading; nearly as early as the Early Summer.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25.

### DANISH BALL HEAD.

This variety produces large, round and compact heads. One of the best keepers; plants vigorous and hardy, resisting cold and dry weather.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25.

**Improved American Savoy.** Large, solid round heads, of superior quality, tender and good flavor, the best variety for family use.

Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.50.

**Pe-Tsai, or Chinese Cabbage.** A quick growing plant resembling Cos Lettuce.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

### Red Danish Stone Head.

One of the largest and most solid and compact of the red varieties, sure heading and tender.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25.





## CAULIFLOWER

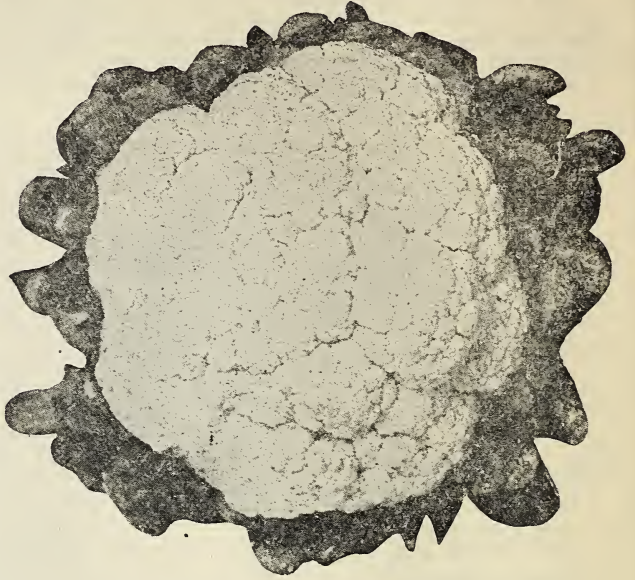
The soil that will grow cabbage will grow cauliflower. It should be made richer and thoroughly worked before planting. For early crop, sow seed in hotbed or in boxes about six weeks before time to plant out. Transplant early in spring in rows 3 feet apart and 18 inches in the row. Plants should be cultivated often to be kept growing continuously. For the late cauliflower, plant in the open ground in June and transplant in July.

*One ounce will produce 2,000 plants.*

**Earliest Dwarf Snowball.** The earliest cauliflower in cultivation, absolutely sure to head when conditions are ordinarily favorable. Plants are very dwarf and of compact growth, with large firm, snow-white heads. Pkt. 15c.,  $\frac{1}{4}$  oz. 75c., oz. \$2.50.

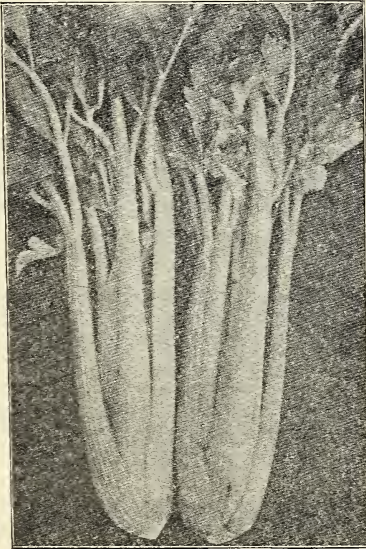
**Danish Giant or Dry Weather.** This variety is about two weeks later than the Snowball. It is of dwarf growth, producing large hard and snow-white heads, fully protected by its foliage.

Pkt. 15c.,  $\frac{1}{4}$  oz. 75c., oz. \$2.75.



## CELERY

For early celery sow the seed of the self-blanching sorts in a hotbed early in the spring. As soon as the plants are 3 inches high, transplant into frames in well-enriched soil 4 inches apart. Cut them once or twice before setting them out in May or June to make them stocky. When about six inches high transplant into trenches wide enough to hold two rows. The rows should be about 1 foot apart and the plants set about 8 inches apart. For winter celery start the seeds in flats as for early, only a little later. As plants grow they should be earthed up to blanch, taking care not to cover the center of the plant.



**GOLDEN SELF-BLEACHING**

**Wonderful.** This new variety of Celery, rightly named Wonderful, is of the Paris Golden family, but twice to three times its size, very fine quality, and very free from the stringy habit of the Old Golden.

Pkt. 15c., oz. \$1.50,  $\frac{1}{4}$  lb. \$5.00.

**Golden Self-Bleaching.** (French grown, special gardeners' strain.)

The finest early celery grown, easily blanched and of excellent flavor, solid and crisp.

Pkt. 10c.,  $\frac{1}{2}$  oz. 50c., 1 oz. 85c.,  $\frac{1}{4}$  lb. \$3.00.

**White Plume.** A desirable early variety requiring very little labor in blanching.

Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75.

**Giant Pascal.** The most satisfactory variety for Fall and Winter use. Grows rapidly and a wonderful keeper. The stalks are of medium height, thick and solid, blanching to a beautiful yellowish white color. Properly blanched and kept in good storage it remains solid, crisp and of a fine sweet flavor.

Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75.



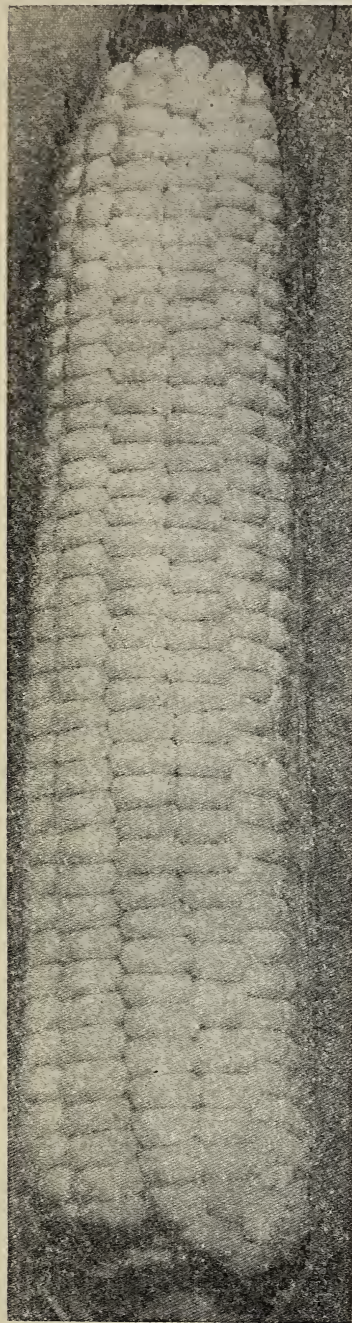


## SWEET CORN

Plant in hills 3 to 4 feet apart each way, dropping 6 seeds in each hill, or in drills 3 to 4 feet apart. The seeds should be covered about 2 inches. In this climate Sweet Corn should not be planted before the middle of May.

One pound will plant 100 hills.

If wanted by Parcel Post, add postage—See table page 2.



GOLDEN SUNSHINE

### GOLDEN SUNSHINE

This variety is the earliest of all the yellow sorts, maturing fully ten days ahead of Golden Bantam. The ears are about 6 inches long, with 12 rows of large, sweet kernels. Invaluable for extra-early use.

Pkt. 15c., 1 lb. 35c., 2 lbs. 65c., 10 lbs. \$2.50.

**Whipple's Early Yellow.** This new variety has the flavor of the true Golden Bantam, and is earlier than many strains of corn bearing the name of Golden Bantam but which are not true to type.

Pkt. 15c., 1 lb. 35c., 2 lbs. 65c., 10 lbs. \$2.50.

**Burpee's Golden Bantam.** Early, hardy and of the most delicious flavor; being of a dwarf growth, the stalks can be grown closely together in the row.

Pkt. 15c., 1 lb. 35c., 2 lbs. 65c., 10 lbs. \$2.50.

**DeLue's Golden Giant.** Nearly as early as Golden Bantam and of fine quality. Much larger ears, being from 12 to 16 rows of golden yellow.

Pkt. 15c., 1 lb. 35c., 2 lbs. 65c., 10 lbs. \$2.50.

**Bantam Evergreen.** A cross between Stowell's Evergreen and Golden Bantam. Kernels are plump and full. The quality is very fine, being exceedingly sweet and tender. Ears 5 to 7 inches long.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 10 lbs. \$2.50.

**Early Crosby (Selected).** An early and productive variety; growing very dwarf with ears set low, averaging from 16 to 20 rows; very sweet and tender. Desirable for both the market and private garden.

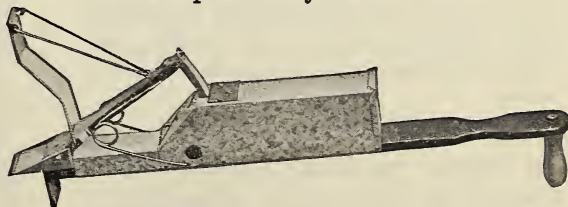
Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 10 lbs. \$2.50.

**Stowell's Evergreen.** A late standard sort of excellent quality.

Pkt. 15c., 1 lb. 35c., 2 lbs. 60c., 10 lbs. \$2.50.

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### The Eclipse Rotary Corn Planter



Eclipses all others; has positive feed.

Four changes of discs. Eclipse is the easiest operating planter on the market.

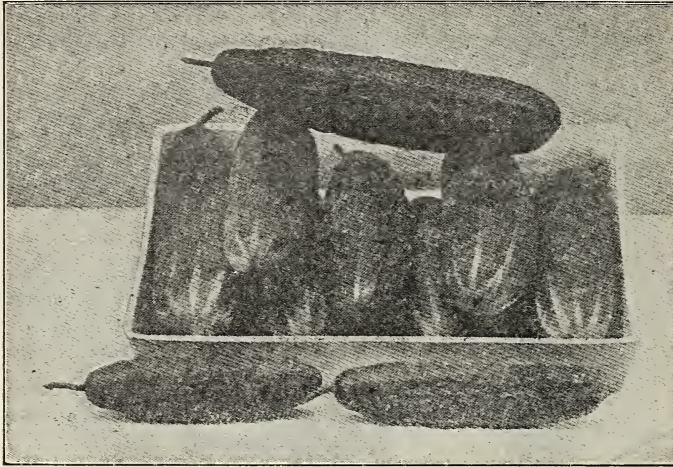
Price, \$2.50



## CUCUMBER

For general crop plant when the ground has become warm, in hills 4 feet apart each way. Thin out to 4 plants to each hill after all danger of insects is over. For very early cucumbers sow about April 1st, in a hotbed on a piece of sod, grass side down so that they can be easily transplanted to the open ground when danger of frost is over.

*One ounce will plant fifty hills; two pounds will plant an acre.*



WOODS HYBRID CUCUMBER

**WOODS HYBRID.** The best type of slicing cucumber. The color, a rich dark green, is retained a long time after it is picked. The flesh is white, crisp and tender. It is early and prolific, and for home or market, it is far superior to other sorts.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Boston Pickling.** This variety is largely planted for pickles. Fruit medium size, smooth, light green and very productive.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

**Chicago Pickling.** This variety is preferred above all others by some of the largest pickling establishments. It is one of the best for the purpose, combining almost every good quality, and being satisfactory alike to grower and pickle maker.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

**Davis Perfect.** For forcing or outdoors. The fruit is of fine form, of a rich dark green color, very few seeds, tender, brittle and of fine flavor.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Early Cluster.** An early sort growing in clusters.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

**Early Frame or Short Green.** A well-known variety used for slicing and pickling.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

**Improved White Spine.** One of the most popular varieties in cultivation. The fruit is light green with white spines, uniform in size and very productive.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

**Long Green.** An old standard variety. Fruit from 10 to 12 inches long, dark green and crisp.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

**West India Gherkin.** A small prickly variety grown only for pickles.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

## DANDELION

One of the earliest and most popular of spring greens. Sow in May in drills 12 inches apart; cover the seed  $\frac{1}{4}$  of an inch deep. The following spring the plants will be ready for cutting.

*One ounce for 200 feet of drill.*

**Improved Thick-Leaved.** A carefully selected strain; popular with market gardeners.

Pkt. 10c., oz. 90c.,  $\frac{1}{4}$  lb. \$3.00.





## EGG PLANT

Sow the seeds in hotbeds very early in the spring and transplant when about three inches high into small pots or another hotbed. Do not plant out in the open ground until the weather has become warm and settled.

*One ounce will produce about 1,000 plants.*

**New York Improved Purple.** This variety produces fruit of large size, nearly round, dark purple and excellent quality.

Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 65c.

**Black Beauty.** A valuable early sort, about ten days earlier than the New York Improved; color a rich purplish black.

Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 65c.

## ENDIVE

For early use sow as early in the spring as the ground can be worked in drills 15 inches apart. Transplant to 1 foot each way. When full grown tie the outer leaves at the top to blanch them.

*One ounce will produce 2,000 plants.*

**Green Curled.** A standard sort for fall and winter.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

**White Curled.** A fine, white curled variety, self-blanching.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

**Broad-Leaved Batavian.** A variety growing very compact, very tender and of fine flavor.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

**French Endive (Witloof Chicory).** Plant the seed in drills 10 inches apart, in deep, rich soil. Thin to six inches apart. One of the finest winter salads grown.

Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00.

## KALE

Sow from May to June, broadcast or in drills, cover  $\frac{1}{2}$  inch, cultivate the same as cabbage.

*One ounce to 150 feet of drill.*

**Dwarf Green Curled Scotch.** A fine, low-growing variety, the leaves densely crimped and curled; very hardy and productive.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

## KOHL RABI

Seeds should be sown in drills as early in the spring as possible. When well established thin to 6 inches apart. The bulb grows entirely out of the ground.

**Early White Vienna.** A very early sort, excellent quality flesh white and tender.

Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Early Purple Vienna.** Similar to the above except in color.

Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

## MUSK MELON

Melons succeed best in light, sandy rich soil. After all danger of frost is past plant in hills 4 to 6 feet apart each way, six to ten seeds to a hill. When about 3 inches high and all danger from insects is past thin out to 3 or 4 plants to a hill.

*One ounce to 60 hills; two or three pounds to an acre.*

**"A. S. & L."** A very large variety, thickly netted, deeply ribbed, flesh salmon-yellow, thick and sweet. A great yielder. It ripens from 70 to 80 days from time of planting.

Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Bender's Surprise.** The Melons are of large size, nearly round, and present a fine attractive appearance. The skin is lightly netted, of a pale green when ripe and the flesh a rich, deep orange color, fine grained with a very small seed cavity and of remarkable sweetness and spicy flavor.

Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Emerald Gem.** Fruit of medium size, very early and of fine flavor; flesh deep orange.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Long Yellow.** Very large, slightly ribbed and thickly netted; flesh salmon-yellow and sweet.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Rocky Ford.** A popular market variety. The fruit is oval, medium size, finely netted; flesh light green and very sweet.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Honey Dew.** A medium sized melon 5 to 6 pounds in weight, about 6 inches diameter and slightly oblong. Thick flesh, light emerald green in color.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

## WATER MELON

Plant in hills about 8 feet apart and cultivate the same as for Musk Melon.

*One ounce for 30 hills; four pounds for one acre.*

**Cole's Early.** One of the best early varieties. medium size, nearly round, flesh dark red and excellent quality.

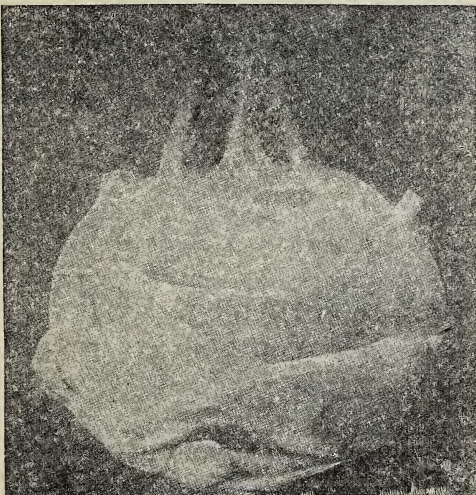
Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Citron.** Used for preserves; white flesh, hardy and productive.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Kleckley Sweet.** A sweet one, to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind is too close to the ripe, fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early.

Pkt. 10c., 15c. per oz.;  $\frac{1}{4}$  lb. 50c.



KOHL RABI





## LETTUCE

For summer use the seed can be sown in hotbeds in March. Transplant when the weather will permit in rows 12 inches apart and 8 inches apart in the rows. For a succession sow in the open ground every two weeks until fall. Lettuce requires a rich and a rather moist soil. The more rapid the growth, the better the quality.

*One ounce of seed will produce about 3,000 plants.*



**Big Boston.** Fine for forcing or open-ground planting; large, solid heads.  
Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Boston Curled.** Leaves beautifully curled, very attractive on table.  
Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Crisp as Ice.** Large, solid heads, yellow heart, outside dark green and bronze.  
Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Grand Rapids.** A very popular variety, leaves crimped, very attractive, matures quickly; the heads are dark green, very crisp and tender.  
Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Hanson.** A large, solid variety.  
Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Iceberg.** A very superior solid heading variety for out-door growing. Makes large, solid heads.  
Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Market Gardener's Private Stock.** A strain of Black-Seeded Tennis Ball, very desirable for hotbed culture in winter and for withstanding heat in summer. A light green cabbage sort, forming hard heads.  
Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c.

**Mammoth Black-Seeded Butter.** The solid heads are of immense size, with light green colored outer leaves which bleach to a beautiful light yellow solid heart, plants often growing 12 inches in diameter. Quality excellent, mild, delicate, sweet, buttery flavor and of soft texture. Excellent home or market gardener's sort.  
Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**May King.** Large, round, solid heads, one of the best varieties for planting in open ground.  
Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**New York or Wonderful.** The largest head lettuce, crisp and tender.  
Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Tennis Ball, Black Seeded.** A favorite variety for out-door crop; forms close, hard heads that are crisp and tender.  
Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Paris White Cos.** An early sort with long, narrow leaves.  
Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

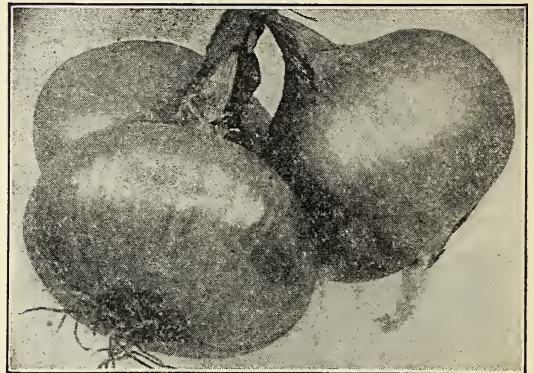
## LEEK

Plant in the spring in a light, well-enriched soil in drills 1 foot apart. Cover the seed about 1 inch and thin to 9 inches apart in the drills. Draw earth up to them as they grow.

*One ounce of seed to 150 feet of drill.*

**American Broad Flag.** A strong-growing sort with broad leaves.  
Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

## ONION SETS



### Japanese Onions—From Sets

(Recleaned). Onion Sets should be planted as early in the spring as the ground is dry enough to work, in rows 12 inches apart and 2 to 4 inches apart in the rows.

If sent by mail add postage. See table, front cover.

**Japanese Onion Sets.** This onion will actually double the yield of any other onion set on the market. If the sets are planted early in the spring the onions will be ripe in July and can be used all through the fall and winter. It throws few seed stalks, is an excellent keeper and the flavor is mild and sweet.  
Qt. (1 lb.) 35c., pk. (8 lbs.) \$2.00.





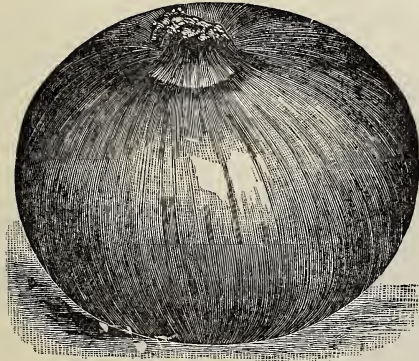
## ONION

Sow the seeds as early in the spring as the ground can be worked in drills about 1 foot apart and cover about  $\frac{1}{2}$  inch. Thin plants to stand from 2 to 3 inches apart in the drills. The soil should be made very rich and kept free from weeds.

*One ounce to 100 feet of drill; five pounds to the acre.*

**Danvers Yellow Globe.** The most profitable variety to grow, producing bulbs of globular form which ripen early and uniformly, producing large crops. The seed we offer was grown in New England from selected bulbs by a reliable grower of long experience. We cannot recommend this strain of seed too highly, not only on account of its great yield but also of its superior keeping qualities.

Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c.



DANVERS YELLOW GLOBE ONION

**Large Red Wethersfield.** The standard red, flat variety, large size, skin deep purplish red, a good keeper.

Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c.

**Prizetaker.** The largest yellow onion, flesh white and of mild flavor.

Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c.

**White Portugal.** One of the best white sorts; bulbs mature early, very mild flavor, the best to grow for sets.

Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c.

## MUSTARD

Sow thickly in early spring in shallow drills or in boxes during the winter. Successive sowing may be made every ten days.

*One ounce will sow about 75 feet of drill.*

**Chinese.** Leaves twice the size of the ordinary White Mustard, which are curled and eaten boiled like spinach.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., 1 lb. 75c.

**White London.** The best for salads and flavoring.

Pkt. 10c., oz. 15c., 1 lb. 50c.

## PARSLEY

Soak the seeds a few hours in lukewarm water and sow early in the spring in rich soil in drills one foot apart, thin out the plants to 4 inches apart in the rows.

*One ounce to 150 feet of drill.*

**Double Curled or Covent Garden.** One of the best sorts, handsome bright green color; leaves finely crimped and curly.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c.

**Plain or Single.** A fine strain, very dark green.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c.

**Hamburg or Turnip-Rooted.** The roots resemble a small parsnip; used for flavoring soups, etc.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c.

## PARSNIP

Sow as early in the spring as the weather will permit in deep, rich soil in drills 18 inches apart, covering the seed slightly; thin to 5 or 6 inches apart in the rows.

*One ounce to 100 feet of drill; five pounds to the acre.*

**White Model.** A highly improved type producing uniformly large and handsome roots of stocky form, heavy at the shoulder, well rounded, gradually tapering to the base. Flesh white, of fine texture, free from core and stringiness; fine flavored. Cooks tender; sweet and rich; enormously productive and exceptionally smooth. Matures in 100 days.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., 1 lb. \$1.50.

## PEPPER

Sow the seed in hotbeds early in April. Transplant when 2 or 3 inches high to 3 inches apart. Transplant to the open ground about the first of June, in rows 2 feet apart and 18 inches apart in the rows. The soil should be rich and mellow.

*One ounce will produce about 2,000 plants.*

**Large Bell or Bull Nose.** Large and of mild flavor, largely used for pickling.

Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 60c.

**Long Red Cayenne.** Bright red, long, slender pods, very pungent.

Pkt. 10c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.

**Pimento.** A very thick fleshed sweet variety, uniform in shape and size. Color dark green changing to a brilliant red. Very desirable for salads on account of its fine flavor and superior quality.

Pkt. 10c.,  $\frac{1}{2}$  oz. 25c.,  $\frac{1}{4}$  lb. \$1.25.

**Squash or Tomato-Shaped.** Fruit medium size, early and productive.

Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 65c.

**Sweet Mountain.** The fruit is very large and smooth, flesh very tender and mild flavored.

Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 65c.

**Sweet Italian.** A superb variety of exceedingly mild flavor. Grows 6 to 7 inches in length and 2 to 3 inches thick at the base. Very attractive in appearance. The fruit is light green, turning bright scarlet.

Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.





## GARDEN PEAS

Sow the early, smooth, round sorts as early in the spring as the ground can be worked, in light, dry rich, loamy soil. The wrinkled varieties are more tender and the seed is more liable to rot and should not be planted when the ground is cold and wet. The late varieties do not require as rich soil as the early and dwarf sizes. Sow in rows 3 to 4 feet apart and about 1 inch apart in the rows, 3 to 4 inches deep. Peas grown as a market crop are never staked, but when the taller sorts are grown for private use they are generally sown in double rows, 6 to 8 inches apart, and staked with brush. For best results all garden peas require good, strong, fertile soil.

One pound will plant about 50 feet of drill.

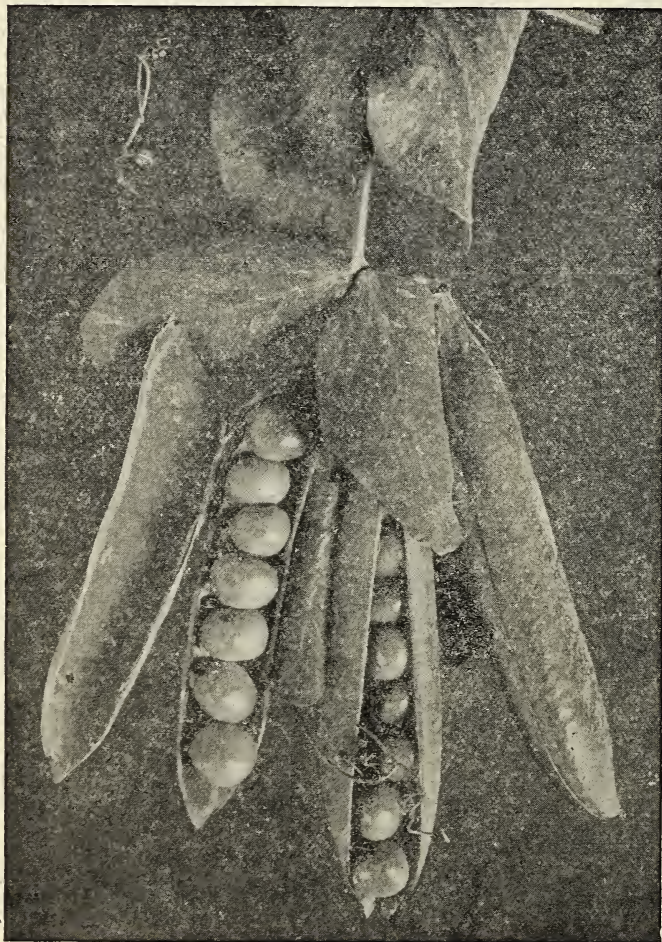
If wanted by Parcel Post, add postage—see inside cover.

**Early Eight Weeks.** One of the earliest dwarf Peas in cultivation, maturing in advance of the standard varieties. The plant attains a height of about 1½ feet, producing pods in great abundance.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Gradus or Prosperity.** The earliest and most popular of the large-podded, wrinkled peas; vines vigorous, bearing large pods from 4 to 4½ inches in length, filled with large peas of the finest quality and delicious flavor; height 3 feet.

Pkt. 20c., 1 lb. 35c., 2 lb. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.



GRADUS PEAS

**Laxtonian.** One of the most remarkable varieties yet introduced; very dwarf, growing only 12 to 15 inches high, producing pods in great abundance; nearly as large as the Telephone. The peas are large with a flavor the very sweetest and best. Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$2.00, 14 lbs. \$4.00.

**Early Morn.** Of Gradus type, the pods are large and well filled with peas of excellent flavor; height 3 feet.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Little Marvel.** A dwarf variety of even growth, about 18 inches in height; pods dark green, medium size, often produced in pairs; as early as Nott's Excelsior, equal in flavor and more prolific.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Nott's Excelsior.** A splendid early sort; pods are always well filled with large peas of delicious flavor. Height 15 inches.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Sutton's Excelsior.** As early as Nott's Excelsior, with much larger pods, a large cropper and of rich flavor; height 1½ feet.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Thomas Laxton.** Similar to Gradus. The pods are long, straight, with square ends, and contain 7 or 8 peas of the finest flavor; hardy and productive; height 3 feet.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Burpee's "Blue Bantam."** An extra early variety of the finest quality. The vines average fifteen inches in height. The pods average nearly as large as the Gradus.

Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.



## GARDEN PEAS—Continued

### MEDIUM AND LATE VARIETIES

**Dwarf Telephone (Carter's Daisy).** Similar to the Tall Telephone, bearing heavy pods, about  $4\frac{1}{2}$  inches long, height 2 feet.  
Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Everbearing.** Very prolific, pods about 3 inches long, peas large and of good quality; height  $2\frac{1}{2}$  feet.  
Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Carter's Quite Content.** The largest-podded variety yet introduced, vines and pods deep green, pods 7 to  $7\frac{1}{2}$  inches long, hanging mostly in pairs and contain 9 to 11 large peas of excellent flavor; recommended for the market or private garden; a large cropper; height of 3 to 4 feet.  
Pkt. 25c., 1 lb. 45c., 2 lbs. 80c., 7 lbs. \$2.60, 14 lbs. \$5.00.

**Admiral Dewey.** One of the finest and most desirable of the large-podded varieties. The vines are of vigorous growth; the pods are always of good size well filled with peas of the highest quality; specially recommended for the home garden and market growing; height 4 feet.  
Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Improved Telephone.** An improvement on Carter's Telephone for purity and uniformity of habits, bearing in great abundance large, dark-green pods containing peas of fine flavor, height 4 feet.  
Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

**Champion of England.** A well-known and popular late variety, of excellent flavor and very productive; height 4 to 5 feet.  
Pkt. 20c., 1 lb. 35c., 2 lbs. 60c., 7 lbs. \$1.75, 14 lbs. \$3.25.

## SEED POTATOES

*Eight to ten bushels will plant one acre. One peck will plant 75 hills.*

Potatoes are sent by express or freight, purchaser paying charges.

**We offer particularly fine strains of Early Rose, Irish Cobbler, Green Mountain and Gold Coin Seed Potatoes.**  
**Write for prices.**

## PUMPKIN

Same cultivation as for squash.

*One ounce will plant 20 hills; one pound will plant 250 hills.*

**Connecticut Field.** Very productive, usually grown in fields with corn for feeding stock.  
Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

**King of the Mammoths.** The best mammoth pumpkin, flesh is a golden-yellow, a splendid keeper and valuable for stock feeding.  
Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.50.

**Small Sugar.** Very sweet and fine grained, a good keeper, best sort for family use.  
Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

## SALSIFY

(Vegetable Oyster)

One of the most delicious and nutritious of vegetables.

Sow early in the spring in drills 14 inches apart and 1 inch deep. Cultivate the same as for carrots and parsnips. They can be left in the ground until spring.

*One ounce to 50 feet of drill.*

**Mammoth Sandwich Island.** This variety grows to a large size and is superior in quality to the Long White. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c.





## RADISH

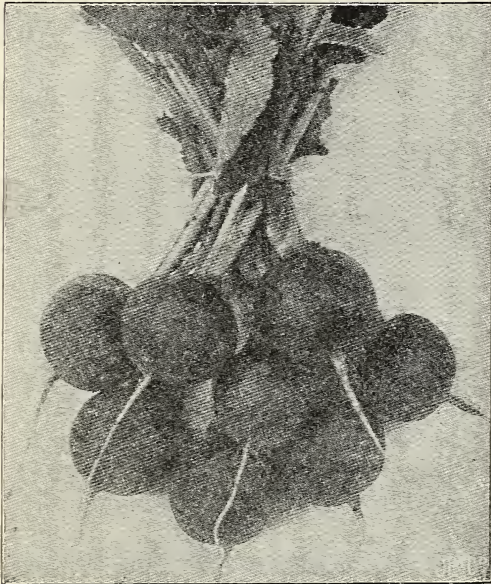
The seeds should be sown in light, rich, sandy loam. For an early supply, sow in a hotbed in rows 4 inches apart. Sow in the open ground as soon as the ground can be worked in rows 8 to 12 inches apart  $\frac{1}{2}$  inch deep. If the radish makes rapid growth it will be crisp and tender. Sow every week or ten days for succession.

*One ounce for 100 feet of drill.*

**Crimson Giant.** An extra early, turnip-shaped variety, growing very large yet never pithy, always hard and solid; good for forcing and equally as good if grown in the open ground. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Early Scarlet White-Tipped.** Small, round, red, short tops, crisp and tender. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Scarlet Globe.** One of the best varieties for forcing or sowing in the open ground; globe shaped, scarlet color, crisp and tender. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.



SCARLET GLOBE RADISH

**French Breakfast.** Oblong shaped, color scarlet, white-tipped, rapid grower, mild and tender. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.25.

**White Stuttgart.** A turnip shaped, white radish, growing to large size; fine quality. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.50.

**Round Black Spanish.** A good winter variety. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

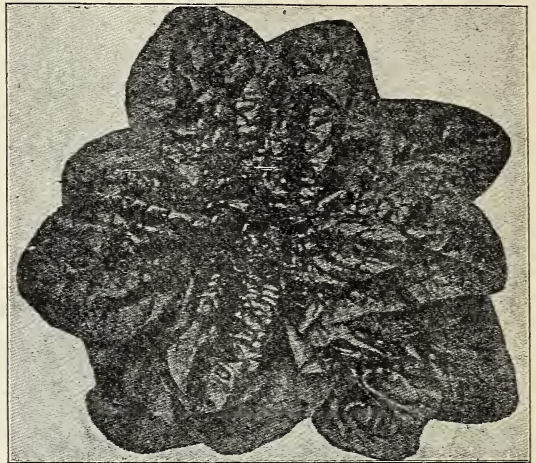
**"Sterling Quality" Seeds are the highest grade obtainable and intended for the particular market gardener, florist and individual.**

**SEND US YOUR MAIL ORDERS**

## SPINACH

Sow early in the spring in drills one foot apart, covering the seed one inch deep, thinning out as it grows. For a succession sow every two weeks. For winter and early spring use, sow in August; cover with straw on the approach of severe cold weather.

*One ounce to 50 feet of drill; ten to twelve pounds to the acre.*



KING OF DENMARK SPINACH

**King of Denmark.** The leaves are dark green, very thick and crumpled, and of good quality. Remains in good condition two or three weeks longer than any other variety before running to seed.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 70c.

**Round Thick-Leaved.** A large, dark-green, thick-leaved variety; stands a long time before running to seed.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.

**Princess Juliana.** A spinach of the long season type, but leaves are more crumpled, of a darker green color. Good size, thick and of good quality. Will stand two weeks longer than most other sorts before bolting to seed. Matures in about 50 days.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 70c.

**Bloomsdale.** A very hardy variety; large thick, crumpled leaves, a favorite with Market Gardeners. The best for early spring or fall. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.

**Prickly or Winter.** The hardiest variety for fall planting.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.

**New Zealand.** A plant of branching habits which stands drought. Soak the seeds in warm water before planting. Plants should not be closer than 2 feet apart each way.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.00.





## SQUASH

Squash are quite tender and should not be planted until the ground has become thoroughly warm and all danger of frost is past. Plant in light, rich soil, well pulverized. Bush varieties should be planted about 4 feet apart and the running varieties about 8 feet.

*Bush varieties, one ounce to 40 hills; running varieties, one ounce to 15 hills, three to four pounds per acre.*

**Early Giant Summer Straightneck.** A desirable table sort, of dwarf, bushy habit, and very productive; the flesh is thick, yellow and of fine quality. One of the best market varieties. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.00.

**Mammoth White Bush Scallop.** Pure white, producing large, thick fruit of fine flavor, early and productive.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.25.

**Delicious.** Fine grained, sweet and dry, no other squash can equal it in sweetness and richness of flavor. In shape and color it is similar to the Hubbard. Weighs from five to ten pounds. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 65c., lb. \$2.00.

**Early Prolific Marrow.** The earliest of the running varieties, maturing ten days earlier than the Boston Marrow; color a bright orange red; keeps well.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Boston Marrow.** A standard fall variety of a bright yellow color, an excellent sort for pies and largely used by canners.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Hubbard (Cape Elizabeth grown).** The standard winter squash, more largely grown than any other late variety, dark green skin and rich flesh, an excellent keeper.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.



HUBBARD SQUASH

**Golden Hubbard.** Same type as the Green Hubbard but of rich orange red color and earlier to mature.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Blue Hubbard.** Flesh fine-grained, dry and of excellent flavor, a good keeper.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c., lb. \$2.00.

**Italian Vegetable Marrow.** Oblong, skin dark green at first, but changes to a lighter green as it matures. Excellent quality.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

## TOMATO

Sow the seeds about the first week in March in a hotbed, greenhouse or in shallow boxes in a window. When the plants are about three inches high transplant to cold frames, setting the plants about 4 inches apart or in pots singly. Transplant to the open ground when all danger of frost is past. Set in rows 4 feet apart each way, using a shovelful of rotten manure in each hill.

*One ounce will produce about 1,500 plants.*

Our Tomato Seeds are grown from selected Stocks.

**“John Baer.”** An extra early variety of superior merit. It produces perfect, solid high crown, beautiful, brilliant red tomatoes, is almost seedless, and has a mild, deliciously sweet flavor. Uniform in size and ripening. A valuable variety for the market or home garden. Pkt. 10c.,  $\frac{1}{4}$  oz. 20c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Abbotts Early Red.** A deep blood red variety. Foliage and vine medium. The fruit is smooth, uniform and of excellent flavor and quality.

Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

**Earliana.** The best extra early variety. It is the earliest large tomato; color bright red, growing in clusters of medium size, smooth, solid, and of fine flavor; excellent for the market and home garden.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Bonney Best.** Early and prolific; fruit is smooth, round scarlet, of fine flavor.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Stone.** The most reliable of the main crop, very large, bright scarlet, smooth, solid and very productive; is a good shipper.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Marglobe.** Introduced by the New Jersey State Department of Agriculture. It is of fine appearance, perfect globe shape, and deep scarlet in color. Its spreading habit of growth enables it to bear large, perfectly shaped fruit, ripening well up to the stem.

Pkt. 10c.,  $\frac{1}{4}$  oz. 20c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**Ponderosa.** One of the largest varieties, flesh solid and of fine quality.

Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Red Cherry.** Pear shape scarlet fruit used for pickling. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.

**Yellow Cherry.** Bright yellow, best for preserving. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.

**Strawberry or Husk.** The small yellow fruit grows in a husk, used for preserving.

Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.



## TURNIP

Turnips do best in rich, light, sandy soil. For early use, sow in the spring as soon as the ground can be worked in drills 1 foot apart. Cover  $\frac{1}{2}$  inch deep. Thin plants to 6 inches apart. For a succession, sow every two weeks until August. Rutabagas are usually sown broadcast, but larger crops are obtained if the seed is sown in drills 18 inches apart and thinned out to 8 or 10 inches in the rows. Sow from June to the middle of July.

*One ounce will sow 150 feet of drill; one to two pounds to an acre.*

**Early Purple Top Milan.** One of the earliest flat turnips; flesh solid and of good quality.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Early White Milan.** Extra early; roots of medium size, pure white, sweet and tender. It is a rapid grower and desirable for early use.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Purple Top White Globe.** An early variety, of superior quality, globe-shaped, white flesh, tender and sweet, one of the best for table use.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

**Red Top White Globe.** It contains all the good points of the Purple Top White Globe and has the added feature of having a bright red top making it very attractive in appearance.

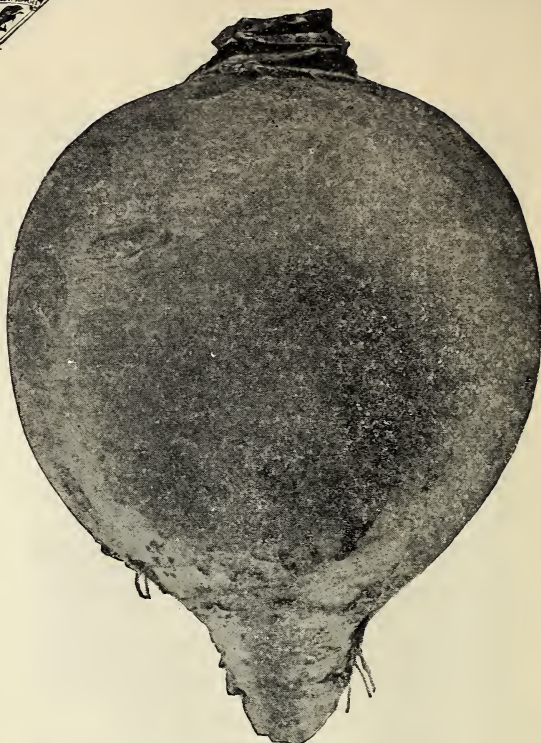
Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

**White Egg.** A pure white, egg-shaped variety of rapid growth; flesh firm, sweet and mild.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.

**Purple Top Strap Leaf.** Fine grained, never stringy and of mild flavor. It is white below with a bright purple top; flesh white, leaves short, narrow and erect. Will mature in 55 days. Desirable for the home, garden or market.

Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00.



PERFECT MODEL RUTABAGA

## RUTABAGA

**Perfect Model.** An improved strain of the finest yellow-fleshed rutabaga, remarkable for uniform shape and fine quality, very sweet and tender and a good keeper.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

**Millpond Purple Top Swede.** An imported strain of Purple Top Rutabaga, very smooth and uniform shape. Excellent keeper.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

**Improved Long Island.** Undoubtedly one of the finest varieties of purple-top Rutabaga. Leaves few and small; bulbs fine shaped with very short, small necks; purple crown, skin and flesh bright yellow, solid, sweet and mild flavor.

Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.25.

## SWEET AND MEDICINAL HERBS

Sow in the spring in shallow drills, 1 foot apart; when up a few inches thin out to proper distances, or transplant; cut the herbs when in flower, tie them up in small bunches and hang in the shade to dry.

Anise Annual	Per oz. 25c., pkt. 10c.
Balm Perennial	Per oz. 30c., pkt. 10c.
Basil, Sweet Annual	Per oz. 25c., pkt. 10c.
Caraway Biennial	Per oz. 25c., pkt. 10c.
Catnip Perennial	Per oz. 60c., pkt. 10c.
Dill Biennial	Per oz. 20c., pkt. 10c.

Fennel, Sweet Perennial	Per oz. 20c., pkt. 10c.
Lavender Perennial	Per oz. 40c., pkt. 10c.
Marjoram, Sweet Annual	Per oz. 30c., pkt. 10c.
Sage Annual	Per oz. 50c., pkt. 10c.
Summer Savory Annual	Per oz. 30c., pkt. 10c.
Thyme Perennial	Per oz. 50c., pkt. 10c.





## FIELD CORN

*Plant eight to ten quarts per acre in hills, one to one and one-half bushels broadcast, one bushel in drills.*

### "A. S. & L. Special" Ensilage Corn

**"A. S. & L. SPECIAL" ENSILAGE CORN.** An early hybrid corn making large ears and an immense amount of foliage. This corn is grown especially for us by growers who have made an extensive study of ensilage corn so that we can highly recommend this variety, especially its milk producing qualities. It has been used extensively by our customers in this section the past two seasons and has given wonderful results. Price, \$4.50 per bushel.

**EARLY EIGHT-ROWED YELLOW FLINT.** This corn is grown right here in Maine and is the earliest yellow variety we know. It matures in ninety days and the ears are long with small cob filled to the tip with large broad kernels.

We cannot recommend this corn too highly for either Grain or Ensilage. Price on application.

**GENUINE EUREKA ENSILAGE.** The corn that grows more ensilage to the acre than any other variety. It grows very tall, attaining a height of 12 to 15 feet and makes a heavy thick growth of fodder. Try this variety if you want the maximum tonnage. Price \$3.00 per bushel.

**IMPERIAL LEAMING.** A yellow Dent variety very valuable for ensilage. The plants are tall with a large amount of foliage. Each stalk usually produces two good long ears with small red cobs, well filled with large, deep golden kernels. Price \$2.50 per bushel.

**SWEET FODDER CORN.** For soiling or ensilage. Some dairymen prefer the sweet fodder corn to the ordinary ensilage variety, and although it does not make as large a stalk, nor as much foliage, it is highly relished by stock. It does best when sown in drills at the rate of 2 bushels to the acre. Price on application.

### STANLEY'S CROW REPELLENT.

Saves replanting, prevents crows, other birds and animal pests from pulling corn. Protects corn from rot caused by moisture. Makes seed germinate faster. Does not clog planter. Large can, enough for two bushels of seed corn, \$1.50. Small can, enough for one bushel, \$1.00.



## GRAINS AND FARM SEEDS

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Prices do not include delivery. Add cost of bags when ordering, as follows:  
 $\frac{1}{2}$  bush., 10 cents; 2 bush., 35 cents.

**Spring Wheat, Marquis. (Beardless.)** An early and productive variety. The kernel is flinty, darker red and more plump than Red Fife and matures a week to ten days earlier; weight 64 to 66 lbs. per measured bushel. Write for price.

**Hungarian.** A popular annual used for hay and forage, yielding two to three tons per acre. Sow 1 bushel to the acre. Weight 48 pounds per bushel. Price \$3.25 per bushel.

**Japanese Millet.** A forage plant of excellent quality, growing 6 to 8 feet in height, and yielding 10 to 15 tons per acre. Sow 20 lbs. per acre broadcast, 15 lbs. in drills 18 inches apart. Price 7 cents per pound.

**Winter Vetch.** Suitable for both spring and autumn seeding, and if intended to stand over the winter, they should be sown as long before winter as possible to enable them to become established firmly. Write for price.

**Canada Field Peas.** A valuable crop for soiling and for cattle feed. Sow  $2\frac{1}{2}$  bushels per acre—if sown with oats, use one and one-half bushels each of the oats and peas. Price \$3.75 per bushel.

**Buckwheat (Japanese).** The best and most profitable variety. It is earlier and more productive than the Silver Hull. Price \$2.00 per bushel.

**Storm King Oats.** One of the earliest, heaviest and most prolific domestic-grown seed oat in cultivation. The heads measure from 8 to 10 inches and the kernels are of immense size, thick, plump and heavy. Price \$1.75 per bushel.

**Swedish Select.** Native to Northern Europe, this is a splendid variety for all sections, and particularly so to our States North of this latitude. A very productive sort; the straw is heavy and stiff and the grains plump and attractive in appearance. Price \$1.50 per bushel.

**Northern White Oats.** On account of their low price this oat is used extensively for fodder, but will show very good results when cut for grain. Price \$1.00 per bushel.

**Barley, 6 Rowed.** A hardy and productive bearded variety. Excellent for cover crop. Price \$2.00 per bushel.

**Winter Rye (Rosen).** Rosen Rye produces a strong vigorous straw and stools to a remarkable degree. The grain is large, plump, heavy and beautiful color. Owing to its vigorous stooling property, less seed is required per acre. Price \$2.25 per bushel.



Modern Dairy Barn of Mr. G. W. Passmore, Portland, Maine

This barn is completely equipped with the *Hudson Line* of Sanitary barn fittings. It was our privilege to supply Mr. Passmore with this equipment as we are Hudson Agents in this territory.

## “Sterling Quality” GRASS AND CLOVER SEEDS

You will find our “Sterling Quality” brand farm seeds the very highest in tests as to purity and germination. We do not carry the so-called “medium grades” which might be purchased at a slightly cheaper price. The best, or “Sterling Quality,” gives the greatest satisfaction to you and to us.

### Prices Subject to Market Changes

#### Timothy, or Herd's Grass (“Sterling Quality”).

Perennial. Roots are fibrous in moist soils, but in dry soils often become bulbous; blooms in June and July. While this grass is commonly known as Timothy, it is frequently called Herd's Grass. It is the most valuable grass for hay, especially in the North, thriving best on moist, loamy soils of medium tenacity.

Price \$6.50 per bushel.

#### Red Top, Fancy Recleaned. (“Sterling Quality”).

Root-creeping; perennial; flowers in July. This valuable grass has been commonly cultivated in our fields for over a century. It is a fine permanent grass, and forms a nutritious pasture when fed close. It is valuable for all wet soils, producing a large return in good hay.

Price 35c per lb.

**Kentucky Blue Grass.** Root-creeping; perennial; flowers in June. This valuable grass is very common in the soils of America, and is excellent for pastures. It is a very valuable species in lawn mixtures.

Write for price.

**Orchard Grass.** Root fibrous, perennial, flowers in June and July. This is one of the most valuable and widely known of all the pasture grasses. Price 30c per lb.

## CLOVERS

**Domestic Grown Red Clover (“Sterling Quality”).** The leading variety of Clover for pastures or meadows. Requires deep, rich soil. Sow in Spring. Price 40c per lb.

**Grimm Alfalfa Clover.** This variety of alfalfa is considered by many to be hardier and more productive than any other, and even at the higher price we believe it is the most economical seed to plant in New England. Valuable as hay and forage crop. Sow 15 to 20 pounds per acre. Price 60c per lb.

**Alsike Clover. (“Sterling Quality”).** The hardiest of all clovers; it resists cold and extreme drought, and for low, wet land is most valuable; excellent for bees. Price 37c per lb.

**Sweet Clover, Bokhara.** Used as a soil-improving crop. Price 15c per lb.

**White Clover.** Largely used in lawn and pasture mixtures. Price 50c per lb.





## "A. S. & L." EXTRA FINE LAWN SEED

This is a mixture of low growing grasses especially adapted to making a fine carpet-like lawn. We take great pride in the quality of our A. S. & L. Lawn Seed as we use only the best solid seed obtainable, without chaff or "filler" of any kind. For a new lawn we recommend sowing one lb. of seed to 200 sq. feet. We know that you will be pleased with this seed.

Price 50c per pound. By mail add postage.

## "A. S. & L." "SHADY PLACE" MIXTURE

This is a mixture of extra fine Grasses adapted for growing in the shade and under trees. We recommend the use of this mixture wherever other grasses on account of shade have failed to make a close sward. Sow at the rate of 1 lb. per each 200 sq. ft. for a new lawn, or about half that quantity for renovating existing turf.

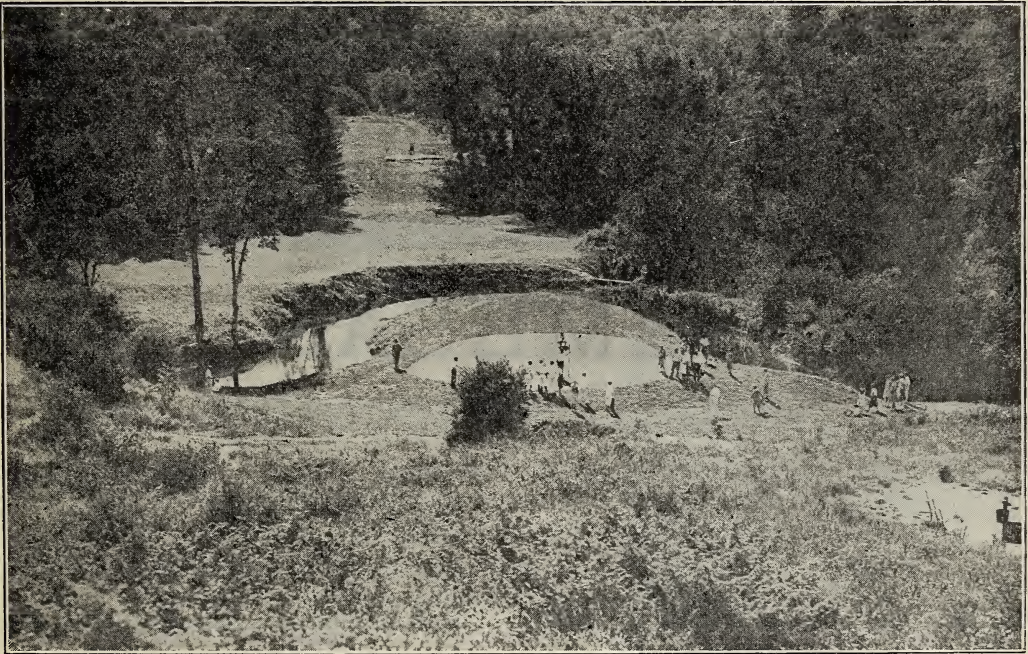
Price 50c per pound. By mail add postage.

## SEED FOR GOLF CLUBS

### Special Mixtures for Putting Green and Fairway

It has been our privilege to furnish many golf clubs with their special requirements of seed for putting greens and fairways.

We are prepared to quote on special formulas as designated or on the named varieties which are used extensively in the best mixtures.



The celebrated 5th or "water hole" of the Fairview Country Club, Portland, Maine  
(Seed for this course furnished by Allen, Sterling and Lothrop)

*We invite correspondence from golf clubs or estates interested in these special varieties.*

**RHODE ISLAND BENT** — A pure hardy strain of creeping Bent. It forms an ideal turf of dark green color and is uniform in texture. We recommend its use anywhere that bents will thrive, but particularly in the New England States. Per lb., \$1.25.

**GOLF RED TOP** — Superfine Re-cleaned. Purity test 98% or better. Write for prices.

**KENTUCKY BLUE GRASS** — A wonderful seed for fairways or lawns — 21 lb. seed. Write for prices.

**CHEWINGS NEW ZEALAND FESCUE** — For either putting green or fairways. Write for prices.

Write us for quotations on Mixed Fertilizers, Sulphate of Ammonia, Ground Bone and Sheep Manure.





# Inoculate

## ALL LEGUMES

Alfalfa, All Clovers, Soy Beans, Cow Peas, Vetch, Peas, Beans,  
Peanuts with

All Legume  
Germs Are  
Perishable

To Protect You  
NITRAGIN Cans  
Stamped With  
Expiration Date



Legume Germs  
Die Rapidly  
When Dried

Authorities  
Recommend  
Inoculating  
With Water

### THE ORIGINAL LEGUME INOCULATOR

**Guaranteed Fresh Each Year—Leads in High Germ Count**

For profitable results, Agricultural Colleges advise inoculation for all legume seed, because it pays well in producing larger quality yields. NITRAGIN inoculated legumes draw their nitrogen from the air—not the soil—with billions of fresh, efficient nitrogen-gathering germs. It's fresh each year—it's DATED, and leads in High Legume Germ Count. Quality inoculation is the cheapest legume crop insurance known.

### NITRAGIN PRICES

Alfalfa, All Clovers		Peas, Vetch, Beans, Austrian Winter Peas		Soy Beans and Cow Peas	
Size	Price	Size	Price	Size	Price
¼ bu.....	\$.40	½ bu.....	\$.40	1 bu.....	\$.40
½ bu.....	.60	1 bu.....	.60	2 bu.....	.70
1 bu.....	1.00	*1 ½ bu.....	.90	5 bu.....	1.50
5 bu.....	4.75	3 ½ bu.....	1.80	10 bu.....	2.50
<i>When ordering always specify kind of seed</i>		5 bu.....	2.50	<i>When ordering always specify kind of seed</i>	
		*Also called "100 lb. size."			



### Garden Nitrigin—Garden Size— Peas, Beans, Sweet Peas

Inoculates from 1 ounce to 8 lbs. seed. Price \$.25  
**IMPORTANT: When ordering NITRAGIN, always be  
sure to state kind of legume seed you wish to inoculate.**  
Nitrigin Has Served the American Farmer Since 1898

### Mixing Nitrigin with Seed

Legume Germs die rapidly when dried. NITRAGIN, containing between 30%—40% moisture, will readily stick to the seed without adding water, and give inoculation. However, for best results, the preferred practice, recommended by The Nitrigin Company and Agricultural Authorities is to use water when mixing legume culture with seed.

# SEMESAN Seed Disinfectants

The **NEW IMPROVED SEMESAN BEL** gives better disease control at less cost. Better control of seed-borne potato diseases. More consistent increases in yield. Larger growing profits. That is what the **New Improved Semesan Bel** potato dip offers you—and at a cost of only 1½ to 3 cents a bushel. For less, even, than the cost of the old "two-hour" soak methods, you can now disinfect your seed potatoes by this effective time and labor-saving dip method.

A single pound of **Improved Semesan Bel** will treat from 70 to 80 bushels of seed potatoes—or from three to four times as many bushels as the original product. Potatoes can be treated as fast as you can fill and empty the baskets. No 1½- to 2-hour soaking is necessary. One man alone can treat from 300 to 400 bushels per day.  
Price, 1 lb. \$1.75, 5 lb. \$8.00.

**SEMESAN** can be used for disinfecting all types of seeds and seed pieces, such as bulbs, corms, roots or tubers, as well as for cuttings and sprouts. It will prevent and control the more common externally seed-borne diseases of cereal, fiber, field, flower, forage, nursery and vegetable crops, as well as some of those infections which exist within the seed or infest the soils. Semesan also prevents and controls the development of parasitic organisms causing "dampening-off" and it will also eliminate and cure the "brown patch" of fine golf course or lawn grasses.

Price, 2 oz. 50c., 8 oz. \$1.60, 1 lb. \$2.75, 5 lbs. \$13.00.

**SEMESAN JR.** is exclusively a dust disinfectant for preventing and controlling the ear, root and stalk rots of field and sweet corn, for large acreages of which, it will be found more economical than Semesan.

Price, 4 oz. 50c., 1 lb. \$1.75, 5 lbs. \$8.00.





*"Sterling Quality"*

## CHOICE FLOWER SEEDS

ANNUALS (Perennials pages 37-38)

**FREE DELIVERY** to any address in the United States on all Flower Seeds by the packet, ounce, half-pound, and pound

### HAVE YOU A ROCK GARDEN?

If not an added thrill is in store for you. We have listed for your convenience many varieties of popular Rock Garden flowers on page 37 of this catalogue.

Per Pkt.

**ACROCLINIUM.** A half-hardy annual, bearing white and rose-colored flowers which are used when dried for winter bouquets. 1½ ft. Rose and white, mixed .... \$0.10

**AGERATUM.** A beautiful, hardy annual. The flowers, which are produced in clusters, are very attractive in the garden and are very useful for bouquets.

Little Blue Star. Bright blue flowers, 6 inches ..... .10

Blue Perfection. Dark Blue. 1½ feet. .... .10

**ALYSSUM.** A fragrant, hardy annual, bearing spikes of small, white flowers in great profusion throughout the summer and autumn. Useful for borders and for cutting.

Sweet Alyssum. Flower small and sweet. .. oz. 50c. .10

Little Dorrit. Pure white, very dwarf and sweet scented. .... oz. \$1.00 .10

Lilac Queen. Of dwarf compact habit, with flowers of a pure lilac color; 4 inches. .... .10

**ANTIRRHINUM (Snapdragon.)** A half-hardy perennial, easily raised from seed. Bloom profusely the first season from mid-summer till fall.

### TALL, MAXIMUM VARIETIES

Canary Bird. Canary yellow with golden yellow center. .... .10

Copper King. Velvety copper scarlet. .... .10

Snowflake. Pure white, yellow lobe. .... .10

The Rose. Rose pink. .... .10

Mixed. A well balanced mixture of the above varieties. .... .10



ANTIRRHINUM OR SNAPDRAGON





## ASTERS

A popular half-hardy annual produced in a great variety of classes and an almost endless number of colors. The tallest varieties grow about two feet high and some varieties of dwarfs are not six inches high. The best method of culture is to sow the seed in boxes in March or April. Cover the seeds about one-fourth inch deep with rich, light soil, and when the plants have three or four leaves transplant about 15 inches apart each way. The seed can be sown in rows where the plants are to remain, thinning them from six to twelve inches apart, according to variety. One of the best annuals for cut flowers.

**CALIFORNIA GIANTS.** A type characterized by the Beauty's vigorous growth and the Crego or Ost-trich Feather type of flower. A true nonlateral type. The flowers are much larger and more substantial than the improved Crego, measuring 5 to 6 inches in diameter, and stand up well when shipped as cut flowers. Their immense size and beauty, as well as their long and sturdy stems make them very attractive when arranged in floral work—Peach Blossom—Light Blue—Dark Purple—White—Deep Rose—Mixture of above.

Per pkt. 20c. each, 3 pkt. 50c.

**Asterum.** A select strain of this new aster. The flowers are of immense size, with curled and twisted petals, closely resembling the blooms of Japanese Chrysanthemums. Mixed colors.

Per pkt. 10c.,  $\frac{1}{8}$  oz. 50c.,  $\frac{1}{4}$  oz. 85c.

**Imperial Daybreak.** Flowers very large and double; color a shell pink; height  $2\frac{1}{2}$  feet.

Per pkt. 10c.,  $\frac{1}{8}$  oz. 40c.,  $\frac{1}{4}$  oz. 70c.

**Imperial Purity.** Similar to Daybreak in form and habit of growth; the blooms are pure white.

Per pkt. 10c.,  $\frac{1}{8}$  oz. 40c.,  $\frac{1}{4}$  oz. 70c.

**Moreton Pink.** This is of the upright Comet type. It is a beautiful shade of flesh pink and very desirable.

Per pkt. 10c.,  $\frac{1}{8}$  oz. 40c.,  $\frac{1}{4}$  oz. 70c.

**The Royal.** An early flowering aster; the plants are of branching habit; the flowers are very double and are borne in great profusion on long stems. Mixed colors.

Per pkt. 10c.,  $\frac{1}{8}$  oz. 45c.,  $\frac{1}{4}$  oz. 80c.

**Queen of the Market.** One of the earliest blooming varieties. The plants are about 1 foot high, bearing from ten to fifteen finely formed flowers on long and graceful stems. White, light pink, lavender and mixed colors. Separate colors, or mixed.

Per pkt. 10c.,  $\frac{1}{8}$  oz. 45c.,  $\frac{1}{4}$  oz. 80c.

**Heart of France.** This is one of the largest flowering of the very dark red sorts. The plants are nicely branched and the flowers grow on long strong stems. Height 2 feet.

Per pkt. 10c.,  $\frac{1}{8}$  oz. 45c.,  $\frac{1}{4}$  oz. 80c.



ASTERUM

**Victoria Yellow.** The most satisfactory yellow yet produced. The flowers are large and remarkably full and ball shaped, the plants of branching type and very vigorous.

Pkt. 20c.,  $\frac{1}{8}$  oz. 50c.

**Improved Giant Crego.** One of the finest varieties of asters, flowers very large, often five inches across, with long, stout stems. Keep longer in good condition when cut than any other variety. Height  $2\frac{1}{2}$  feet. White, shell-pink, rose-pink, lavender, orchid, purple and mixed colors. Separate colors, or mixed.

Per pkt. 10c.,  $\frac{1}{8}$  oz. 50c.,  $\frac{1}{4}$  oz. 85c.

**Single California Giants.** A splendid early flowering variety.

Mixed colors—Per pkt. 10c.,  $\frac{1}{8}$  oz. 50c.

We hope you will like our new flower seed packets.





BACHELOR'S BUTTON

**BACHELOR'S BUTTON.** Hardy annual of easy culture, one of the most attractive of all the old fashioned flowers. Sow the seed where it is to remain and thin to six inches.

Per Pkt.

- Single Blue ..... .10
- Single Mixed Colors ..... ½ oz. 25c. .10
- Double Mixed Colors ..... ½ oz. 35c. .10
- Double Blue. Fine dark blue .. ¼ oz. 35c. .10

**BALSAM.** A favorite garden flower producing masses of beautiful, brilliant-colored, double flowers of easy culture; succeeds in a good rich soil; set the plants one foot apart; tender annuals; 2 feet.

- Mixed colors ..... ¼ oz. 35c. .10

**BEANS, Flowering.** Popular ornamental climbers, 6 to 8 feet.

- Scarlet Runner ..... .10

**BROWALLIA.** Very handsome, free-flowering plants. 1½ feet high.

- Mixed. .... .10

**CANARY BIRD VINE.** Half-hardy, climbing annual, bearing an abundance of bright yellow fringed flowers... ½ oz. 25c. .10

**CALENDULA.** Profuse-blooming dwarf annuals; of easy culture and flowering until frost.

- Orange King. Double, dark orange red, ..... ¼ oz. 25c. .10
- Lemon Queen. Lemon-yellow .. ¼ oz. 25c. .10
- Mixed Varieties. .... ¼ oz. 20c. .10

**CALLIOPSIS (or Coreopsis).** A hardy annual growing about 2 feet high, valuable for bright bedding effects or for cutting. Blooms from June until September. Double Mixed Colors. Fine Varieties. .... ¼ oz. 25c. .10

**CANDYTUFT.** A hardy annual of easy culture and valuable for bedding or massing. Giant Hyacinth Flowered. Very large heads and long spikes of white flowers. 1 foot. .... ¼ oz. 30c. .10

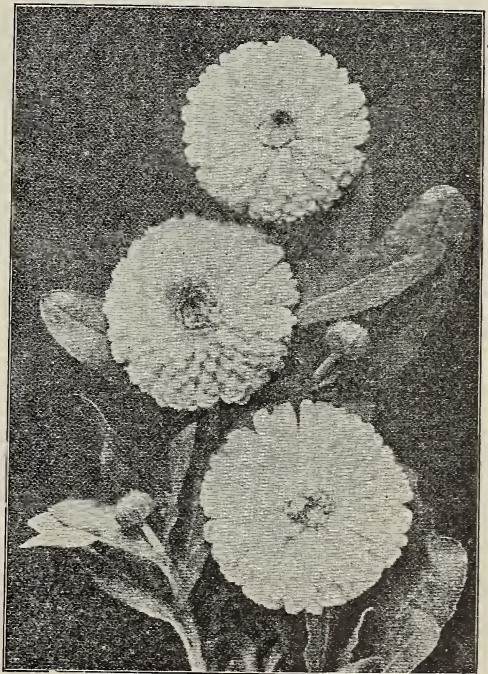
- Crimson. 1 foot. .... .10
- Flesh Pink. 1 foot. .... .10
- White. 1 foot. .... .10
- Mixed, all colors. 1 foot. Oz. 45c., ¼ oz. 15c. .10

**CARNATION.** Carnations are general favorites for their delicious fragrance and richness of colors.

- Marguerite Mixed, all colors ..... .10
- Giant Chabaud. This is really a glorified type of French Carnation coming into bloom six months from time of sowing and continuing to bloom throughout the summer.
- Double Mixed ..... .25

**CENTAUREA (Dusty Miller).** Half-hardy perennial, used for borders or edgings. Gymnocarpa. Leaves silver gray, with graceful, drooping habit. 1½ feet. .... .10

**CHRYSANTHEMUM (Annual).** Summer-blooming annuals, growing 12 to 18 inches high. Very effective for bed or cut blooms. Double Mixed ..... ¼ oz. 20c. .10



CALENDULA





**CLARKIA.** Beautiful, hardy annuals with rose-colored, white and purple flowers in very brilliant shades. About 1½ to 2 feet high and profuse bloomers.

Per Pkt.

Double Mixed ..... ¼ oz. 30c. .10

**COBAEA.** A rapid-growing climber, with handsome foliage and large bell-shaped flowers half-hardy perennial. 20 ft.

Scandens. Blue ..... ¼ oz. 25c. .10

**COCKSCOMB.** Very popular annuals of the easiest culture, producing large, ornamental comb-like heads; useful both for summer bedding and pot plants.

Glasgow Prize. Brilliant, deep purplish-red combs, dark foliage. Height about 1 foot. .... .10

**COLEUS.** A tender annual, growing about 10 to 18 inches high, and grown for its beautiful, bright-colored, velvety leaves.

Mixed Hybrids. Finest Mixed varieties... .25

**CONVOLVULUS major (Morning Glory).**

A handsome, showy climber of easy culture and suitable for covering windows, trellises, etc. The flowers are most brilliant in the morning and run through many shades from white to dark blue, red and striped. Hardy annuals 10 feet high.

Mixed Choice Colors ..... oz. 25c. .10



DOUBLE COSMOS

**COSMOS.** A very effective flowering plant, quite hardy and rapid growing, forming bush-like plants 4 to 6 feet high and covered with large, single, dahlia-like flowers. Start in March and transplant to open ground about June first.

Early Flowering, Mixed Colors, ¼ oz. 20c. .10

Early Flowering, White ..... ¼ oz. 25c. .10

Early Flowering, Pink ..... ¼ oz. 25c. .10

Early Flowering, Crimson ..... ¼ oz. 25c. .10

**NEW EXTRA EARLY FLOWERING DOUBLE COSMOS.** They grow to a height

of about three feet, forming a perfect bush massed with bloom, bearing beautiful double flowers of good size on long stems; they come about seventy-five per cent double from seed. They bloom in seventy days from the day seed is sown, and continue until cut down by frost.

Double Crimson ..... .25

Double Pink ..... .25

Double White ..... .25

Double Mixed ..... .25

**CYPRESS VINE (Cardinal Climber).** A summer, climbing annual with fine, feathery foliage and pretty, star-shaped flowers.

Scarlet ..... .10

**DATURA.** Large, strong-growing plants with large, trumpet-shaped flowers. 3 feet.

Mixed, all colors ..... .10



LONGFELLOW GARDEN





Per Pkt.

**DIANTHUS** or Pinks. Hardy biennials that bloom the first season, remaining green all winter and blooming the next year also if lightly protected. Old plants flower the earliest, but as young ones give the largest, finest flowers, sowings are made every year. Seed can be sown under glass in the spring, or in an open, sheltered bed. The seedlings are easily transplanted. Average height, 1 foot.

Mixed, all colors ..... ¼ oz., 25c. .10

**DIDISCUS.** (Blue Lace Flower). An attractive annual blooming from July until frost. The flowers are pale lavender and are invaluable for cutting. Height 1½ ft. .10

**ESCHSCHOLTZIA** (California Poppy). The foliage is finely cut and has a bluish tinge, delicate and very attractive. The large, handsome flowers, two inches or more in diameter, are produced in great profusion all summer. Seeds can be sown where the plants are to bloom. Hardy annual; height, 1 foot.

Californica. Deep yellow, orange center. .... ½ oz. 25c. .10

Grandiflora Mixed Colors ..... ¼ oz. 25c. .10

**GAILLARDIA.** Very showy plants with brilliant flowers. Hardy annuals, 2 feet high.

Double Mixed. Annual ..... ¼ oz. 25c. .10

**GODETIA.** Beautiful garden plants, having large, delicately shaded blossoms. Easily cultivated in garden soil. Hardy annual: about 1 foot high.

Finest Mixed ..... ¼ oz. 25c. .10

**GOURDS.** Ornamental, rapid-growing, trailing annuals, with curiously-shaped, highly-colored fruits. Cultivate the same as melons or squashes; 10 to 20 feet.

Mixed Varieties ..... ½ oz. 25c. .10

**GYPSOPHILA** (Baby's Breath). Free-flowering, elegant plants, succeeding in any garden soil.

*Elegans grandiflora alba.* A hardy annual, pure white flowers. .... ¼ oz. 25c. .10

**HELICHRYSUM.** (Straw Flower). Everlasting flowers, large and full. Cut before the flowers fully expand. Hardy annual. 2 feet.

Double Mixed ..... ¼ oz. 25c. .10

**HELIOTROPE.** This class of plants is one of the finest for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants. Seed sown early in the spring in the house will make fine plants for summer bedding.

Finest Mixed ..... ⅓ oz. 35c. .10

**HOLLYHOCK.** Hardy annuals, blooming the first season.

Single Mixed ..... ¼ oz. 35c. .10

Double Mixed ..... ¼ oz. 50c. .10

Per Pkt.

**HUMULUS JAPONICUS** (Japanese Hop). Fast-growing, annual climber. 12 feet. .... ¼ oz. 35c. .10

**HYACINTH BEAN.** Tender, climbing annual. Grows rapidly and is valuable for covering a trellis. The shining purple seed pods are very ornamental.

Finest Mixed ..... 1 oz. 40c. .10

**KOCHIA CHILDSII** (Summer Cypress). A splendid ornamental annual plant, forming dense oval bushes 2 to 2½ feet high, of small, feathery, light green foliage. As summer advances, this changes to a carmine hue and finally to a fiery red. A very attractive plant. .... ¼ oz. 35c. .10

**LARKSPUR.** (Delphinium). Very ornamental plants, producing, in great variety of form and colors, some of the most beautiful flowers in cultivation.

Dwarf Rocket. 1 ft. in height. Mixed colors. .... ¼ oz. 30c. .10

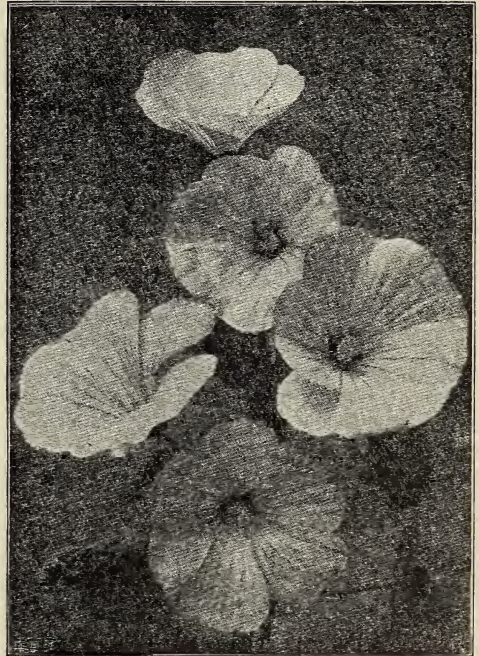
Stock-Flowered. Double, branching; fine for cutting. 2 feet. Mixed colors. ¼ oz. 30c. .10

Double Stock Flowered Tall "Exquisite." An excellent variety for cutting or garden decoration, growing 2½ to 3 feet. The color is a beautiful soft pink. Hardy annual. .... .15

**LAVATERA** (Mallow). Beautiful hardy annuals covered the entire summer with saucer-shaped flowers. The seed may be sown where they are to bloom. Height 2 to 3 feet.

Pink ..... .10

White ..... .10



LAVATERA





Per Pkt.

**LINUM Grandiflorum Rubrum (Scarlet Flax).** A beautiful and effective plant of slender and delicate growth, having a profusion of bright flowers. Hardy annual; about 1½ feet high. .... .10

**LOBELIA.** The dwarf varieties are very useful for edging, and the trailing varieties for hanging baskets and window-boxes.  
**Sapphire.** Blue trailing. .... ⅓ oz. 40c. .10  
**Crystal Palace Compacta.** 6 inches.  
 Dark blue bedding variety. .... ⅓ oz. 50c. .10

**LOVE-IN-A-MIST.** A hardy annual, 1 foot high, with finely cut foliage. Oddly shaped blossoms in blue and white, and curious seed pods. Of easy culture.  
 Mixed. Blue and white shades. .½ oz. 25c. .10

**LUPINS.** Showy plants, with long spikes of various colored pea-shaped flowers; very desirable for mixed borders.  
 Fine Mixed ..... ½ oz. 30c. .10

**MALOPE.** Free-blooming, hardy annuals suitable for mixed borders and fine for cutting. Height 3 feet.  
 Grandiflora Mixed ..... ½ oz. 25c. .10

**MARIGOLD (Tagetes).** A hardy annual plant, in dwarf and tall varieties, growing from 6 inches to 2 feet high. Foliage bright green, deeply cut and graceful. The flowers are various shades of yellow and brown. The tall varieties are very valuable for large bedding or background work, and the dwarf varieties for borders. Seeds can be sown in a cold frame and the plants transplanted late in the spring or in the open border.

#### DOUBLE AFRICAN VARIETIES

**Orange Prince.** A double variety with quilled petals; flowers showy, bloom very early ..... ¼ oz. 25c. .10  
**Lemon Queen.** Large, lemon-colored flowers. .... .10  
 Mixed Colors ..... ¼ oz. 20c. .10

#### FRENCH VARIETIES

**Tall Double Mixed** ..... ¼ oz. 20c. .10  
**Dwarf Double Mixed** ..... ¼ oz. 20c. .10

**MIGNONETTE (Reseda).** A hardy annual, growing 6 to 12 inches high and bearing pyramidal-shaped flower spikes, which are exceedingly fragrant. Grows easily from boxes or sown out in the garden and thinned to 4 or 6 inches. Valuable for potting, for bedding or for border.  
**Large Flowered.** Very sweet .. ½ oz. 20c. .10  
**Goliath Red.** A giant red-flowered variety with rich green foliage, especially suited for house culture. .... ¼ oz. 50c. .10  
**Goliath White.** This splendid white variety has the same characteristics of the red sort. .... ¼ oz. 50c. .10



MIGNONETTE

Per Pkt.

**MARVEL OF PERU.** The flowers of this old-fashioned favorite open about four o'clock in the afternoon and fade the next morning. 2 feet high, with bright foliage and fragrant flowers of desirable colors. Seed should be planted in the open ground where plants are desired.

**Mixed Colors** ..... ½ oz. 20c. .10

**MOONFLOWER.** A beautiful vine which grows very rapidly, attaining a height of 50 feet in a season, producing flowers 3 to 4 inches across. Blossoms evenings and cloudy days. Soak the seeds in warm water 24 hours before planting.

**Grandiflora Alba.** Large white flowers. .... ½ oz. 25c. .10

**Giant Pink.** Soft lilac-pink flowers. .... ½ oz. 25c. .10

**MOURNING BRIDE (Scabiosa).** A very showy free-flowering plant, producing a great profusion of beautiful and richly-colored double flowers. Beautiful in the garden and excellent for bouquets. 12 to 18 inches high. Annual.

**Mixed Colors** ..... ¼ oz. 25c. .10

**MIMULUS (Monkey Flower).** Handsome flowers of easy cultivation. Perennial in the greenhouse, annual in the open air.

**Mixed Spotted Varieties.** ..... .15





# NASTURTIIUM

A popular flower which is in constant bloom throughout the season, making a better display than almost any other plant. New colors are being developed, and in our list will be found all the best varieties that have been introduced.

Nasturtiums are of the easiest culture and require very little care after the seed is sown, merely weeding and the seed-balls picked off. If these are permitted to mature the beauty of the plant is soon lost. Plant the seed one inch deep in moderately good soil. The tall sorts are specially adapted for covering unsightly fences or trailing over rocks and rough ground. Hardy annual.

## Dwarf Varieties

Of dwarf, compact growth; bloom in two months from sowing and most profusely the whole season. Height 1 foot.

	Pkt.	Oz.	¼ lb.
<b>Aurora.</b> Light reddish-orange, veined with carmine .....	.05	.15	.40
<b>Beauty.</b> Scarlet and yellow .....	.05	.15	.40
<b>Bronze, Golden Brown</b> .....	.05	.15	.40
<b>Crystal Palace Gem.</b> Sulphur-yellow spotted with carmine. ....	.05	.15	.40
<b>Empress of India.</b> A splendid variety, with dark leaves and crimson flowers .....	.05	.15	.40
<b>Golden King.</b> Golden yellow. ....	.05	.15	.40
<b>Golden Midnight.</b> The foliage is a light yellowish-green, while the flowers are of such a dark maroon as to seem almost black....	.10	.20	.50
<b>King of Tom Thumbs.</b> Dark foliage, scarlet flowers .....	.05	.15	.40
<b>King Theodore.</b> Intensely dark crimson or chocolate .....	.05	.15	.40
<b>Pearl.</b> Creamy white .....	.05	.15	.40
<b>Queen of Tom Thumbs.</b> Variegated foliage, bright crimson flowers. ....	.05	.15	.40
<b>Vesuvius.</b> Salmon pink, dark foliage. ....	.05	.15	.40
<b>Scarlet.</b> Brilliant scarlet flowers. .	.05	.15	.40
Collection of six varieties for 20c.			

## DWARF MIXED NASTURTIIUMS

"A., S. & L." Extra Choice Mixture. Our own mixture from a selection of named varieties and colors. Nothing finer.  
Pkt. 05c., oz. 15c., ¼ lb. 40c., 1 lb. \$1.25.



NASTURTIIUM

## Tall or Climbing Varieties

Height, 10 to 12 feet.

<b>Coccineum.</b> Scarlet .....	.05	.15	.40
<b>Dark Crimson</b> .....	.05	.15	.40
<b>Dunnett's Orange.</b> Deep Orange ..	.05	.15	.40
<b>Hemisphaericum.</b> Orange-salmon and scarlet .....	.05	.15	.40
<b>King Theodore.</b> Dark red, extra fine. ....	.05	.15	.40
<b>Pearl.</b> Creamy white .....	.05	.15	.40
<b>Prince Henry.</b> Light yellow, marbled with scarlet .....	.05	.15	.40
<b>Schillingi.</b> Bright yellow, blotched with maroon .....	.05	.15	.40
<b>Vesuvius.</b> Brilliant salmon-rose, dark-leaved .....	.05	.15	.40
<b>Yellow</b> .....	.05	.15	.40
Collection of six varieties for 20c.			

## TALL MIXED NASTURTIIUMS

"A., S. & L." Extra Choice Mixture. Our own selection.

Pkt. 05c., oz. 15c., ¼ lb. 40c., 1 lb. \$1.25.

Per Pkt.

**NEMESIA STRIMOSA SULTONI.** Free-blooming plants for pot culture and open border. Sow the seed in March under glass or sow out of doors in May. Hardy annual. 1 foot. Mixed colors .....

.10

**NICOTIANA.** Showy plants with slender, tall, flowering stems and fragrant flowers; half-hardy annuals. About 3 feet high.

**Mixed Hybrids.** All colors.....

.10



## PANSY

Pansies thrive best in a moist, shady location and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms. If sown in the spring, get it in as early as possible, so as to secure flowers during the early rains. Seed sown in a cool place in May or June, and well watered until up, will produce tall-flowering plants. To have good flowers, the plants must be vigorous and make a rapid growth; use manure liberally.

Per Pkt.

Perfection (new). A super mixture containing the finest types of pansies, and many new sunburst pansies, smoky rims, henna shades, with fine long stems. ....	.50
Greenhouse Special Mixed. ... 1/8 oz. \$2.00	.30
Choice Mixed .....	.10

<b>PASSION FLOWER</b> ( <i>Passiflora</i> ). A half-hardy perennial climber, bearing attractive blue fringed flowers. Height 10 to 15 feet. ....	.10
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<b>PHLOX DRUMMONDII</b> . <i>Grandiflora</i> . One of the most satisfactory bedding plants. A hardy annual growing about one foot high, and bearing beautiful and brilliant-colored flowers.	
Primrose .....	.10
Pure White .....	.10
Lilac .....	.10
Crimson .....	.10
Finest Mixed. Best large-flowered varieties. .... 1/4 oz. 50c.	.10

## POPPY

The seed should be sown as early in the spring as possible where they are to remain, as they do not stand transplanting. Thin 6 to 10 inches apart. If left thick the plant will be weak and the blossoms inferior.

### SHIRLEY VARIETIES

Per Pkt.

“A., S. & L.” Single Mixed. The most beautiful type of poppies, having soft foliage and an immense variety of blossoms in white, pink, lavender, purple, shades of red and scarlet; the best and most showy of all single poppies. .... oz. 50c.	.10
“American Legion.” This new single Shirley is a dazzling orange scarlet of enormous size, borne on long stout stems. The plants are of very erect robust growth. .... oz. 75c.	.15
Double Mixed .....	1/2 oz. 25c. .10

### CARNATION VARIETY

Double Mixed .....	1/2 oz. 25c. .10
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### SNOWDROP

Pure White .....	1/2 oz. 20c. .10
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SHIRLEY POPPY





FRINGED PETUNIA

Per Pkt.

**PETUNIA.** Free-flowering and easily cultivated; well-known favorites. They thrive in almost any soil and produce a brilliant array of color throughout the season.

**Giants of California.** Flowers very large, and deeply fringed. A variety of colors... .25

**Rosy Morn.** A bright rosy pink with white throat ..... ¼ oz. \$1.00 .15

**Rose of Heaven.** A very effective rich and brilliant rose colored variety. . ¼ oz. \$1.00 .15

**Balcony Blue.** A splendid large and free-flowering type for window boxes, hanging baskets, etc. Color a rich indigo blue. .... .15

**Choice Mixed.** Striped and blotched. .... ⅛ oz. 25c. .10

**PORTULACA.** The flowers of the double variety are like small roses, and make a particularly brilliant show. Sow seed in the open ground as soon as the weather is warm, or in a hotbed earlier. The plants can be transplanted when in full flower. Annual.

**Double Mixed Colors** ..... ⅛ oz. 50c. .10

**Single Mixed Colors** ..... ⅛ oz. 20c. .10

**RHODANTHE.** Fine for garden. Comes into flower early and continues a long time. One of the best everlasting for bouquets.

**Fine Single Mixed** ..... .10

**RICINUS (Castor Oil Bean).** A half-hardy annual, growing from 6 to 15 feet high. **Zanzibarensis Mixed.** A very large-leaved variety, light and dark green and bronze foliage; 10 to 12 feet. .... oz. 35c. .10

Our flower seeds bought from the best growers here and abroad are packed under our own supervision.

Per Pkt.

**SALPIGLOSSIS.** Very showy bedding or border plants with richly-colored flowers, which are purple, scarlet, crimson, yellow, buff, blue or almost black, beautifully marbled and pencilled. Hardy annual, 2 feet.

**Emperor.** Finest Mixed. Large flowers.

..... ⅛ oz. 50c. .10

**SCHIZANTHUS.** Hardy annuals, growing 1½ to 2 feet high, and covered with bright, showy, butterfly-like blossoms.

**Choice Mixed Large Flowering** ..... .10



SALPIGLOSSIS





## SWEET PEAS

The popularity of Sweet Peas is demonstrated by the many and beautiful varieties that are introduced each year. Our list includes all the best up-to-date varieties.

Sow as early as the ground can be prepared in a deep, rich, moist soil, in drills 6 inches deep, covering about 2 inches deep. As the vines grow, fill up the trenches with soil and thin out to about 4 or 5 inches apart. A popular plan at the present time is to sow in double rows with a trellis or a row of brush between.

One-quarter of a pound of seed will sow fifty feet.

### Giant Spencer Varieties

The Spencers have very large waved flowers which are produced abundantly on long, strong stems, and are most desirable for cutting.

**Alexander Malcolm.** Very bright scarlet cerise.

**Annie Ireland.** White with rose-pink edges.

**Apple Blossom Spencer.** Standard bright rose, wings primrose with a flush of rose.

**Asta Ohn.** The best lavender, very large and wavy.

**Austin Frederick Improved.** Large pure lavender.

**Constance Hinton.** The largest white Spencer.

**Countess Spencer.** The original giant-flowered Spencer, clear pink.

**Crimson King.** The color is a solid, rich, deep, clear crimson throughout, becoming richer in the throat.

**Daffodil.** Very deep primrose.

**Daisy Bud.** Soft pale rose pink.

**Hebe.** A giant flower of finest form. Color bright rose pink. Flowers are beautifully waved.

**Jack Cornwell, V. C.** Deep blue. One of the most beautiful.

**King Edward.** The best pure red Spencer, very large.

**King Mauve.** Splendid shade of mauve.

**Majestic Cream.** Large deep cream.

**Morse's Sunproof Scarlet.** The brightest scarlet yet introduced.

**Mrs. Hugh Dickson.** Buff apricot and rose.

**Mrs. Tom Jones.** Deep amethyst blue, very fine form.

**Pink Pearl.** Clear pearly pink.

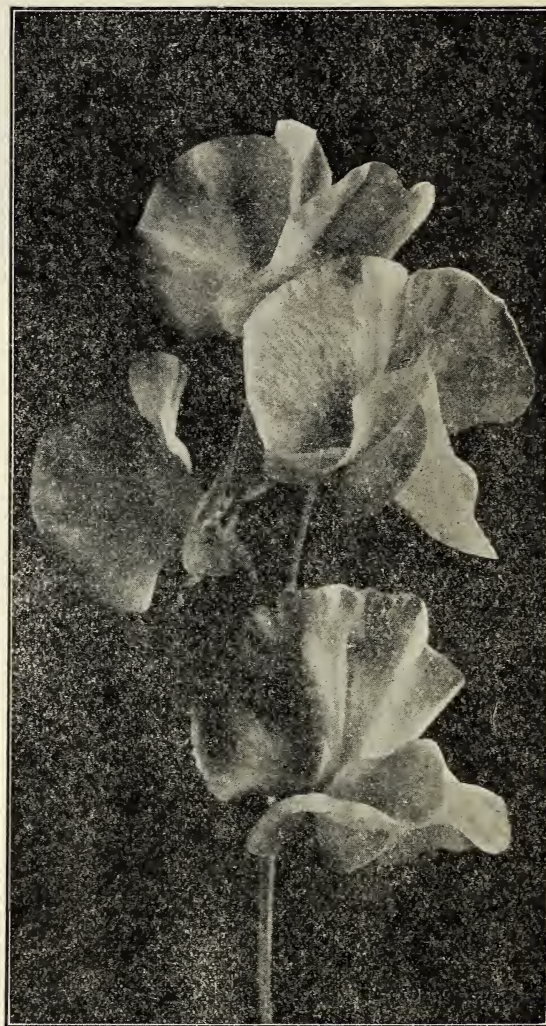
**Royal Scot.** Brilliant scarlet.

**Splendour.** Rich red maroon.

**Tangerine.** Salmon Orange.

Price: Any of the above

Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00



EARLY HARMONY

### A. S. & L. Superb Spencer Mixed

Our own mixture of true Spencer types only. As fine a collection of Sweet Peas as can be purchased anywhere. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.





## SWEET PEAS—Continued

### Early Flowering Spencer Sweet Peas

This new type is receiving great attention at the hands of the leading hybridizers, and already nearly all colors are represented. They are now very popular, and in great demand by commercial florists for forcing under glass for winter and early spring blooming, but are just as valuable for the amateur for outdoor culture coming into flower five or six weeks earlier than the regular Spencer type, and if the flowers are kept picked, continue to bloom over a period of nearly four months.

**Early Aviator.** A very beautiful shade of crimson.

**Early Bluebird.** A very attractive shade of blue growing more vigorous than any other blue.

**Early Glitters.** The color may best be described as a glowing poppy scarlet.

**Early Harmony.** Clear Lavender. This Spencer should be included in every collection.

**Early Snowflake.** This is without doubt the finest White Sweet Pea that has been introduced. It produces flowers of the largest size on long stems.

**Early Rose Queen.** A new light-rose pink, very beautiful.

**Early Torch.** An orange scarlet that will not burn in sunlight. One of the best.

**Early Yarrowa.** Color bright rose-pink with light-er base.

Price: Any of the above,  
Pkt. 15c., oz. 60c.,  $\frac{1}{4}$  lb. \$1.75.

### Grandiflora Sweet Peas

These have large handsome flowers, but the petals are not waved like the Spencer varieties. Earlier than the Spencer.

**"A., S. & L." SPECIAL MIXTURE.** This mixture is made up by ourselves from the best named Grandiflora and cannot fail to give satisfaction.

Oz. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

#### GRANDIFLORA MIXED SWEET PEAS IN SEPARATE SHADES

Lavender and Blue Shades.

Purple and Maroon Shades.

White and Primrose Shades.

Pink Shades.

Red Shades.

Each of the above, oz. 10c.,  $\frac{1}{4}$  lb. 30c., 1 lb. \$1.00.

Collection, one oz., each of the five separate shades, 40c.

#### FREE DELIVERY

To any address in the United States on all Flower Seeds by the packet, ounce, half-pound, and pound.



TEN WEEKS BEAUTY STOCKS

## STOCKS

(Gilliflower)

Hardy annuals, 2 feet high, with spikes densely covered with beautiful double flowers of almost every desirable tint. Seeds may be sown in the open ground, hotbed or cold frame, but transplanting should be done when the plants are just out of the seed leaf. Make the soil deep and rich, and set the plants a foot apart.

#### LARGE-FLOWERING TEN WEEKS BEAUTY STOCKS

A magnificent race of recent introduction, with long trusses of extremely double flowers of delightful fragrance. For forcing in the greenhouse in winter they are unexcelled. They are equally good when planted in the garden, coming into bloom in about 10 weeks and lasting until late in the season.

	Per Pkt.
Apple Blossom .....	.10
Canary Yellow (Monte Carlo) .....	.10
Flesh Pink (Beauty of Nice) .....	.10
Light Blue (Cote d' Azure) .....	.10
White (Mont Blanc) .....	.10
Choice Mixed .....	$\frac{1}{8}$ oz. 75c. .10

#### IMPROVED CUT-AND-COME-AGAIN

White (Princess Alice) .....	.10
Canary Yellow .....	.10
Blood Red .....	.10
Light Blue .....	.10
Apple Blossom .....	.10
Choice Mixture .....	$\frac{1}{8}$ oz. 75c. .10



Per Pkt.

**SALVIA.** Sow seed early indoors or in a frame in time to get good plants to set out of doors the latter part of May. Bloom from July to frost. Set plants 1 foot apart. Half-hardy annual.

**AMERICA.** An improved variety of dwarf, compact growth; very early and produces large spikes of brilliant scarlet flowers. .... 1/8 oz. 75c. .15

**Bonfire.** Very compact, with long, erect spikes of brilliant scarlet flowers. 2 feet. .... 1/8 oz. 60c. .10

**SWEET SULTAN.** Large, sweet-scented flowers.  
Finest Mixed ..... oz. 50c. .10

**SUNFLOWER (Helianthus).** Hardy annuals, growing from 3 to 6 feet high. Of the easiest culture and suitable for a stately row or background. Plant in light or sandy soil.

**Excelsior.** Splendid variety, medium size flowers with good assortment of colors. Double Mixed ..... oz. 35c. .10

**Miniature.** Small, single rich yellow flowers, with black center. 4 feet .... oz. 35c. .10

**Sutton's Red.** Single large red flowers, shading to yellow at tips of petals. Height 6 feet ..... oz. 35c. .10

**Mammoth Russian.** Large yellow. oz. 10c.

**THUNBERGIA.** (Black Eyed Susan.) Beautiful annual trailing plants for hanging basket and vases.  
Mixed colors, 4 feet ..... 1/4 oz. 25c. .10

**VERBENA.** A well-known annual for beds, and borders. Seed sown in March will bloom in June and continue until frost. Plants raised from seed are more vigorous and produce more flowers than those grown from cuttings.  
"A., S. & L." Mammoth Mixed. 1/4 oz. 50c. .10

**WILD CUCUMBER (Echinocystis Lobata).** This is a useful climber where a rapid and vigorous growth of vine is desired. The vine is thickly covered with white, fragrant flowers. Hardy annual. ... 1/2 oz. 25c. .10

**WILD GARDEN FLOWER SEEDS.** A mixture of easily grown varieties of Flower Seeds for Sowing broadcast, require very little care and produce a continual display of bloom throughout the season, and furnish an abundance of flowers for cutting. They are useful for sowing along fences and on unsightly bare spots of ground. ... oz. 15c., 1/4 lb. 50c. .10

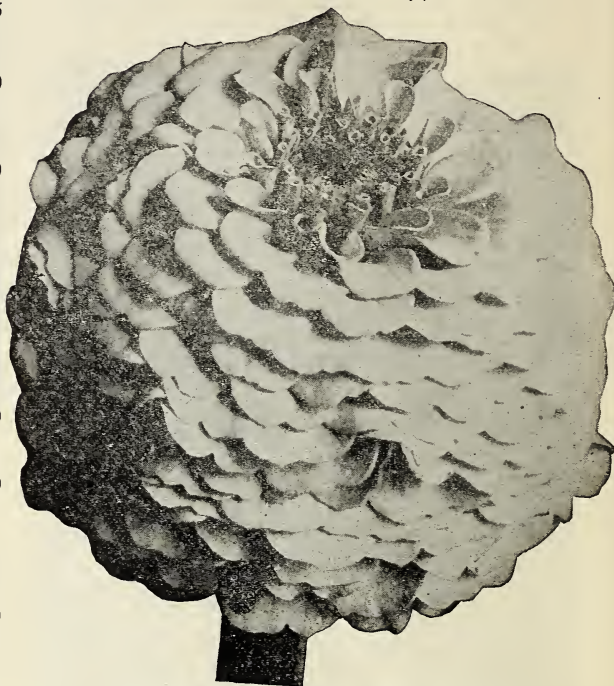
Our new flower seed packets contain more seed without additional cost to our customers.

## ZINNIA

A hardy annual, growing from 1 to 2 feet high. One of the most brilliant and showy plants. They flower early in the summer and keep on blooming until frost.

Per Pkt.

"A., S. & L." Double Choice Mixed ..... 1/4 oz. 40c. .10



### GIANT DAHLIA FLOWERED ZINNIA

A wonderful improvement in Zinnias, the flowers being as large as Dahlias. The plants of this variety are very strong and rugged, growing to a height of about three feet.

Per Pkt.

**Buttercup (New).** A large deep creamy yellow ..... .20

**Crimson Monarch.** By far the largest and best of the red shades. Flowers often eight inches in diameter. .... .20

**Dream.** A fine deep lavender, turning to purple. A new, desirable shade in Zinnias. .... .20

**Exquisite.** Color light rose with center a deep rose. .... .20

**Golden State.** A very rich orange yellow. Yellow in the bud, turning to an attractive orange when in full bloom. .... .20

**Oriole.** Considered the most beautiful of its class. It is an immense orange and gold bicolor. .... .20

**Polar Bear.** A very large pure white, the best white yet seen in Zinnias. True Dahlia form. .... .20

**Scarlet Flame.** A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. .... .20

**Special Mixture** ..... (3 pkts for 50c.) .20





“Sterling Quality”  
PERENNIAL FLOWER SEEDS

Per Pkt.

**ACONITUM (Monk's Hood).** Hardy perennial, with helmet-shaped flowers; growing in any good garden soil. Thrives best when planted among shrubbery or in shady situations. 4 feet.  
**Nappellus.** Large blue ..... .15

**ALYSSUM. Saxatile Compactum (Basket of Gold).** Golden yellow flowers. . ¼ oz. 50c. .10

**AMPELOPSIS VEITCHII (Boston Ivy).** The best hardy vine for covering brick or stone buildings, etc.; foliage turning to scarlet in the autumn. .... ½ oz. 25c. .10

**BELLIS PERENNIS (Double Daisy).** Sow the seed very early. The flowers are abundant in early spring and may be continued later by the use of water. Set about six inches apart in a cool border.  
**Longfellow.** Large, rose-colored flowers... .10  
**Snowball.** Large, double pure white. .... .10  
**Finest Mixed.** ..... ⅛ oz. 40c. .10

**CANTERBURY BELLS.** Large bell-shaped flowers which are very effective. Succeeds best in light, rich soil. Transplant two feet apart. Height 2 to 4 feet.  
**Single, Fine Mixed** ..... ⅛ oz. 25c. .10  
**Double, Fine Mixed** ..... ⅛ oz. 25c. .10  
**Cup and Saucer.**  
**Blue** ..... .10  
**Rose** ..... .10  
**White** ..... .10  
**Choice Mixed** ..... ⅛ oz. 60c. .10

**COLUMBINE. (Aquilegia.)** Well-known hardy perennials, bearing in great profusion, through May and June, exquisite flowers greatly varied in coloring; of easy culture, thriving best in dry soil and growing well in partial shade. 1 to 3 feet.  
**Single, Mixed Colors** ..... .10  
**Long Spurred, Double, Mixed Colors** .... .10

**DELPHINIUM (Hardy Larkspur).**  
**Formosum.** Deep blue, 3 feet ..... .10  
**Double Hybrids, Finest Mixed.** 3 feet .... .10

**DIANTHUS (Hardy Garden Pinks).**  
**Double Clove.** A hardy perennial pink, very fragrant, choice colors... ⅛ oz. 30c. .10  
**Plumarius (Grass Pink, or Pheasant-eye Pink).** A single hardy Pink with fringed-edged, fragrant flowers, mixed colors....  
..... ⅛ oz. 30c. .10

**EUPHORBIA VARIEGATA (Snow on the Mountain).** Variegated green and white foliage. Excellent for bouquets..... .10

Per Pkt.

**FORGET-ME-NOT. (Myosotis.)** Small star-like flowers borne in clusters. The plant is of easy culture and blooms the first year if seed is sown early. 4 to 9 inches.  
**Indigo Blue.** Large, dark blue flowers.  
..... ⅛ oz. 25c. .10  
**Victoria.** Large flowers, bright azure blue; dwarf habit; fine for borders. . ⅛ oz. 35c. .10  
**Fine Mixed** ..... ⅛ oz. 25c. .10

**FOXGLOVE (Digitalis).** The Foxgloves are highly ornamental plants. They are fine for the mixed border or planted singly in half-shady places near a walk or drive. The spikes of flowers are often two feet in length, containing scores of the pretty-spotted, thimble-shaped flowers. Perfectly hardy. Sow seed in spring in the garden and transplant as desired.  
**Mixed varieties** ..... ¼ oz. 25c. .10

**FRENCH HONEYSUCKLE (Hedysarum).** Very handsome free-flowering plants; well adapted for borders or rock-work. 4 feet.  
**Scarlet** ..... .10



GAILLARDIA

**GAILLARDIA.** Showy and hardy perennials, flowering from July to October. 2 feet.  
**Grandiflora Hybrida.** Finest Mixed. .... .10



## PERENNIAL FLOWER SEEDS—Continued

- GYPSOPHILA** (Baby's Breath). Free-flow-  
ering plants, succeeding in any garden  
soil. Fine for bouquets.
- Paniculata. White flowers ..... 10  
Paniculata. Double white ..... 20

- HOLLYHOCK**. Plants of upright, stately  
growth, 5 to 8 feet high. The double va-  
rieties are the most desirable. Very ef-  
fective when planted in long rows with a  
background of shrubbery.
- Chater's Double Mixed .....  $\frac{1}{8}$  oz. 30c. 10

- HONESTY** (Satin Flower). The flat, silvery  
seed pods are used for winter decoration.  
Very handsome, free-flowering. Hardy bi-  
ennial. 2 feet. .... 10

- IBERIS** (Perennial Candytuft).  
Sempervirens. Pure white; excellent for  
cemeteries, rockeries, etc.; 1 foot. .... 15

- Kudzu Vine or Jack-and-the-Bean Stalk**. A  
fast growing hardy perennial vine, grow-  
ing 8 to 10 feet the first year from seed.  
The foliage is large; it bears clusters of  
pea-shaped flowers. ....  $\frac{1}{4}$  oz. 25c. 10

- LAVENDULA vera**. (Sweet Lavender)  
grown chiefly for lasting fragrance of its  
flowers. ....  $\frac{1}{4}$  oz. 25c. 10

- LINUM** (Flax).  
Perenne. Bright blue flowers, hardy. 2 ft. 10

- LUPINUS** (Lupin). Beautiful hardy plants  
for borders, beds and for cutting, 3 ft.
- Polyphyllus Blue ..... 10  
Polyphyllus Roseus. Pink ..... 10  
Polyphyllus White ..... 10  
Polyphyllus Mixed ..... 10

- PHLOX** (Decussata). Hardy plants pro-  
ducing large heads of showy flowers, 3 ft.
- Mixed Colors ..... 10

- POPPY** (Papaver).  
Orientale. One of the most striking and  
showy of the garden perennials; flowers  
large brilliant crimson with a black blotch  
on each petal. ....  $\frac{1}{8}$  oz. 25c. 10  
Iceland. Brilliant colors. Blooms first year  
from seed. ....  $\frac{1}{8}$  oz. 25c. 10

- POLYANTHUS** (Primula Elatior). Early  
spring free-flowering plants, fine for either  
pot or outdoor culture; 9 inches.
- Choice Mixed ..... 10

- PYRETHRUM HYBRIDUM** (Painted  
Daisy). Hardy perennial, bearing large  
Daisy-like flowers, ranging in color from  
white to deep red, with bright yellow  
centres. .... 10

- PHYSALIS** (Chinese Lantern Plant). Per  
Pkt. An  
ornamental plant, forming dense bushes  
about 2 feet high, producing freely its  
bright orange-scarlet lantern-like fruits,  
which can be cut and dried for winter  
bouquets. .... 10



PYRETHRUM HYBRIDUM (Painted Daisy)

- RUDBECKIA** (Cone-Flower). Robust-grow-  
ing plants, very popular for border deco-  
ration.
- Newmanii. Golden yellow with black  
center. .... 10

- STATICE** (Sea Lavender). Beautiful hardy  
perennial, free flowering and of easy cul-  
ture in poor soils and dry situations; very  
showy in beds or borders, and remain a  
long time in bloom; when dried can be  
used in winter bouquets.
- Choice Mixed ..... 10

- SWEET WILLIAM**. An old-fashioned plant,  
producing large heads of beautifully col-  
ored, sweet-scented flowers. It is hardy  
and easily grown.  $1\frac{1}{2}$  feet.
- Holborn Glory. Large flowers of the most  
beautiful shades. ....  $\frac{1}{4}$  oz. 25c. 10  
Pink Beauty. Rose pink. ....  $\frac{1}{4}$  oz. 25c. 10  
Double Varieties. Mixed. ....  $\frac{1}{4}$  oz. 30c. 10  
Finest Single Mixed .....  $\frac{1}{4}$  oz. 30c. 10

- SWEET ROCKET**. Very fragrant, growing  
freely in ordinary soils, 2 ft.
- Mixed. Purple and white. .... 10

- VIOLET**. Fragrant, spring-blooming plants.
- The Czar. Large dark blue. .... 10





## ROCK GARDEN FLOWER SEEDS

For the convenience of our customers we have grouped together a collection of twelve varieties of the very popular Rock Garden Seeds.

	Per Pkt.		Per Pkt.
<b>ALYSSUM (Saxatile Compactum).</b> Early Flowering; bright golden yellow; 1 foot. .	.10	<b>GYPSOPHILA (Repens Rose).</b> Rock plant covered with rose colored flowers. ....	.15
<b>AQUILEGIA (Long Spurred Hybrids).</b> Flowers of many rich and varied colors; 2 feet. ....	.15	<b>GEUM (Lady Stratheden).</b> Beautiful hardy perennials bearing large, golden yellow flowers all through the summer; 18 inches.	.25
<b>CERASTIUM (Biebersteini).</b> Dwarf, white leaved plant with white flowers; 4 inches.	.15	<b>LINARIA.</b> An excellent perennial, often grown as an annual, with bright green leaves and attractive small lilac-blue flowers. ....	.15
<b>DELPHINIUM (Blue Butterfly).</b> Beautiful blue variety of compact growth, blooms the first year if sown early; 18 inches. ....	.15	<b>OENOTHERA.</b> Large, bright yellow flowers; 4 inches. ....	.15
<b>DIANTHUS (Deltoides).</b> Dwarf; brilliant carmine flowers; 10 inches. ....	.15	<b>SAPONARIA (Ocymoides).</b> A splendid plant for the rockery; rose colored flowers; 9 inches. ....	.15
<b>GYPSOPHILA (Repens White).</b> A fine rock plant covered with tiny white flowers; 8 inches. ....	.15	<b>STATICE (Latifolia).</b> Large lavender-blue flowers; 18 inches. ....	.15

## GLADIOLUS BULBS

### All strictly 1st size bulbs

Six of a kind at dozen rates, 50 at 100 rates. Dozen and 100 prices Post Paid.

**Baron L. Hulot,** Deep indigo blue.

**Herada,** Clear mauve lavender.

**Mrs. Francis King,** Flame red, tall growing, large flowers.

**Mrs. Frank Pendleton, Jr.,** Light rose pink with deep blotch throat.

**Le Marechal Foch,** Shell pink, large flowering.

**Joe Coleman,** bright red, carmine blotch; very attractive, ruffled flowers.

**Odin,** deep salmon pink with intense carmine blotch on lower petals, splendid cutflower and good forcer.

**Mary Pickford,** lovely creamy white with soft sulphur yellow throat.

**Souvenir,** purest golden yellow of all gladioli; large, beautifully shaped flowers on tall, slender stem.

**Indian Maid,** apple blossom pink, deep color in throat.

**Rose Ash,** old rose overlaid and blended with pink, blue and red, giving the color of ashes of roses.

**Evelyn Kirtland,** very warm rose pink, deeper at the edges of the petals shading towards shell pink in the center.



Price: Any of above 5c each, 50c doz., \$4.00 per 100 Post Paid



# INSECTICIDES AND FUNGICIDES

**Anti-Ant.** Anti-Ant calls ants to a banquet — of death.

Eagerly they eat it and then as Anti-Ant gets in its deadly work they scurry home to die.

Anti-Ant is safe for domestic animals and human beings. 2 oz. can 25c., 8 oz. can \$1.00.

**Arsenate of Lead.** (Dry.) Used either as a spray or dust for all leaf-chewing worms and insects. It will not burn or injure your crop. ½ lb. 20c., 1 lb. 30c., 4 lbs. \$1.00, 25 lbs. \$5.00, 100 lbs. \$18.50.

**Black Leaf 40.** (Nicotine Sulphate.) Highly recommended by spraying experts for destroying all sucking and many chewing insects. 1 oz. 35c., ½ lb. \$1.25, 2 lbs. \$3.50, 10 lbs. \$13.50.

**Bordeaux Mixture, Dry.** Can be used either dry as a dust or mixed with water as a spray for all fungous diseases. 1 lb. to 5 gals. of water. 1 lb. 30c., 4 lbs. 85c., 25 lbs. \$4.50.

**Bug Death.** A non-poisonous powder. Destroys potato, squash, and cucumber bugs, currant and tomato worms; safe to handle. Contains no Paris Green or Arsenic. Apply dry or in water. 1 lb. 20c., 3 lbs. 45c., 5 lbs. 65c., 12½ lbs. \$1.25, 100-lb. keg \$8.50.

**Carbola.** A combined disinfectant and paint, or white-wash. One pound paints and disinfects 250 square feet. 5 lbs. 75c., 10 lbs. \$1.25, 25 lbs. \$2.75, 50 lbs. \$5.00.

**Copper Sulphate.** For making home-made bordeaux mixture for fungicide purposes. Write for price.

**Derrisol.** You will find that you can control many of the worst insects cheaper, more effectively, more pleasantly, and with less trouble, with Derrisol than with other insecticides. 1 oz. 35c., ½ lb. \$1.20, 1 lb. \$2.00, 10 lbs. \$12.00.

**Dolge Liquid Weed Killer.** Destroys weeds in paths, roads and gutters. Dilute 1 part Weed Killer to 40 parts of water and apply with sprinkling can or cart. 1 qt. can 75c., 1 gal. can \$2.00, 5 gal. can \$6.50.

**Evergreen.** A non-poisonous insecticide that is as equally efficient in both the flower and vegetable garden. Destroys a great number of both chewing and sucking insects without danger of burning the plants. 1 oz. bottle 35c., 6 oz. bottle \$1.00, pint \$2.00, quart \$3.85, gallon \$13.00.

**Hellebore (Powdered).** Safe to use when fruit or vegetables are nearly ripe. Used largely for cabbage and currant worms, can be used as a powder or dissolved. ½ lb. 25c., 1 lb. 45c.

**Nico-Fume (Tobacco Powder).** For fumigating green-houses. 5 lb. can \$3.75, 10 lb. can \$6.85.

**Nico-Fume (Liquid).** Used as a spray or as a vapor. Does not stain nor injure blooms. ¼ lb. can 75c., 1 lb. can \$2.25, 4 lb. can \$6.25, 8 lb. can \$11.50.

**Paris Green.** Used for potato bugs. ½ lb. 30c., lb. 45c.

**Pyrox, Bowker's.** The one best spray for all leaf-eating insects. Does all that Arsenate of Lead will do, besides protecting trees, shrubs, vegetables and plants against fungous diseases, one application answering both purposes, saving labor and expense. All ready to use by adding water. Lb. 50c., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$6.25, 50 lbs. \$10.75.

**Snarol.** Cutworms, slugs, snails, grasshoppers and other annoying pests are quickly exterminated by this amazing new preparation. Snarol is a ready prepared meal that you simply broadcast on the ground — under the flowers and plants. Water will not harm it. 1-lb. carton 45c., 3-lb. carton 95c., 15-lb. bag \$3.50.

**Toxol.** A non-poisonous and non-explosive liquid. Kills flies, mosquitoes, lice, spiders, water bugs and other insects. Pint can 65c., quart can \$1.10.

**Volck.** A spray for the garden, nursery and greenhouse; effectively controls red spider, mites, white flies, scales, mealy bugs, caterpillars, aphids, thrip, etc.; not only kills the insects but also acts as a repellent. \$3.00 per gal.

## NIAGARA DUST FORMULAS AND USES

**Niagara Soluble Sulphur Compound.** The cheapest spray for the dormant and delayed dormant applications. Particularly effective against San Jose Scale, the worst enemy of American fruit. Equally effective against all other scale insects, Peach Leaf Curl, and many other pests. Only 12½ lbs. is needed in 50 gallons of water to get effective results. Lb. 35c., 5 lbs. \$1.00, 10 lbs. \$1.75, 25 lbs. \$3.50, 50 lbs. \$6.00, 100 lbs. \$10.00.

**Niagara A-1 Mixture.** For Aphids, Red Bugs, Pear Psylla, etc. The best contact dust for sucking insects. 25 lbs. \$4.75, 50 lbs. \$9.00, 100 lbs. \$16.00.

**Niagara D-6 Mixture.** Dehydrated Copper Sulphate 20 per cent (as Copper Sulphate Crystals 26.7%) Lime and filler. Standard Copper Fungicide without poison for potatoes, celery, and other vegetable crops. 25 lbs. \$2.75, 50 lbs. \$4.75, 100 lbs. \$7.50.

**Niagara D-20 Mixture.** Dehydrated Copper Sulphate 20 per cent (as Copper Sulphate Crystals 26.7%) Calcium Arsenate (poison) 20 per cent, Lime and Filler. Standard Copper Fungicide with poison for Potato Bugs and Blight. 25 lbs. \$3.25, 50 lbs. \$6.25, 100 lbs. \$10.00.

**Niagara "Six Little Dusts."** for the small garden, in convenient 1 lb. cans.

	Per can
No. 1. Entodust. Controls plant eating insects.	\$.40
No. 2. A-1 Dust. Controls sucking insects.	.60
No. 3. D-6 Dust. Controls blight, mildew, fungus troubles.	.45
No. 4. Pomodust. Controls rose bush troubles.	.35
No. 5. D-20 Dust. Insecticide and Fungicide for vegetables.	.50
No. 6. All-in-one. General dust.	.60

Write us for The Niagara Garden Police Book.



# Planet Jr.

## GARDEN TOOLS

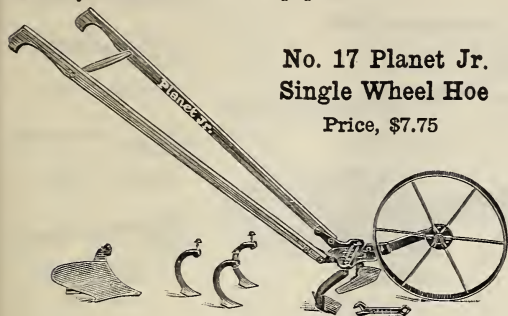
"A tool for every need."

Send for Planet Jr. Catalogue of the complete line — free on request.

We carry in stock all the latest models but list below only a few of the most popular.

### No. 17 Planet Jr. Single Wheel Hoe

Price, \$7.75



The No. 17 has a pair of 6-inch hoes, a plow and a set of 3 cultivator teeth, as illustrated above.

### No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow

Price, Complete, \$18.00  
Weight, 50 lbs.

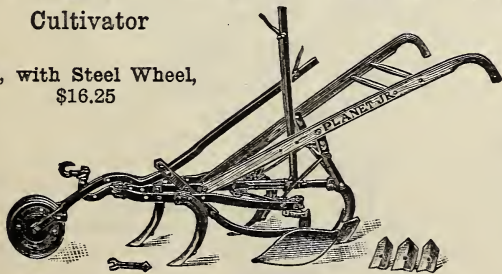
No. 4D. As a Seeder  
only, \$14.25. Holds  
2½ Quarts of Seed



For use as a cultivator, the drill parts are removed and the tool frame substituted by changing but one bolt; it is then a perfect single wheel hoe, with a variety of tools.

### No. 8 Planet Jr. Combined Horse Hoe and Cultivator

Price, with Steel Wheel,  
\$16.25



Equipment: Four 3x8-in. plates, one 4x8-in. plate, two 6-in. side hoes, one 7-in. shovel, level wheel, lever expander. Depth regulator.

This is a general favorite. Easily understood and operated. The tool is especially strong; braced to make a stiff, unyielding tool intended for long service.

### HUDSON IDEAL SPRAYER



The Hudson Ideal Sprayer is a high pressure portable outfit, capable of developing a pressure of 200 pounds. Capacity of tank 15 gallons. Shipping weight 100 pounds.

No. 33 Ideal Sprayer ..... Price, \$33.00 each

### HUDSON PERFECTION SPRAYER



For gardening, whitewashing and general use. Capacity about four gallons.

Perfection, galvanized.  
Price each, \$6.00

Perfection, brass.  
Price each, \$8.50

Hudson Junior similar to the Perfection but smaller. Tank holds about 2½ gallons.

Galvanized Junior.  
Price, \$4.50 each

### HUDSON TROMBONE SPRAYER



The Hudson Trombone Sprayer is a high pressure spray pump adapted for spraying orchards, shrubbery, shade trees, potatoes and field crops.

It is double acting, maintaining a steady discharge without undue exertion on the part of the operator.

No. 123. Hudson Trombone Sprayer...Price, \$4.50 each

### HUDSON MISTY SPRAYER

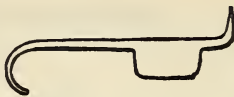


The Hudson Misty Sprayer is a favorite with the housewife. It is suitable for use in a small garden, around the dairy barn, chicken coops, etc.

Misty Sprayer, capacity one quart. .... Price, 50c each  
Midget Sprayer, capacity one pint. .... Price, 35c each



Pruning Shears



Grafting Chisel



Norcross Cultivator Hoes



Potato Hook



Shovel



Wood Lawn Rake



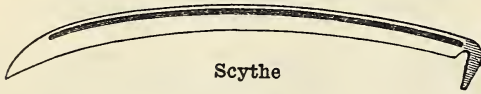
Haseltine Weeder



Asparagus Knife



Excelsior Weeder



Scythe



Scuffle Hoe



Spading Fork



Snath



Trowel



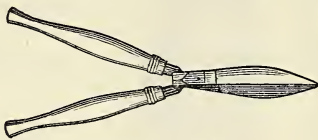
Manure Fork



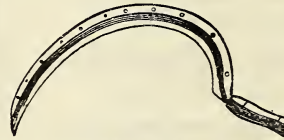
Garden Hoe



Garden Line Reel



Hedge Shears



Grass Hook



Edging Knife



Hay Fork



Garden Rake



Garden Line



Wire Fruit Picker

**Asparagus Knife**

Made of Solid Steel. Goodell Double Point, P. P. Weight 1 lb...40c.

**Edging Knife**

Long handle .....\$1.15  
D handle ..... 1.35

**Forks**

Manure, 4 Tine D handle...\$1.75  
5 Tine D handle..... 2.00  
6 Tine D handle..... 2.25  
Hay, 3 Tine (all lengths of handle) .....\$1.75  
Spading, 4 Tine D handle...\$2.00  
4 Tine long handle ..... 1.60

**Fruit Picker**

..... 60c.

**Grafting Chisel**

Made from the finest cast steel. 75c.

**Grafting Wax (Trowbridge)**

The best on the market. ¼ lb. pkg. 15c., ½ lb. pkg. 25c., 1 lb. pkg. 45c.

**Garden line**

Italian Hemp, 100 feet .....\$1.50

**Grass Hooks**

Meadow King .....35c.  
Nolan .....85c.

**Hoes**

8 in. Meadow .....\$1.30  
9 in. Meadow ..... 1.35  
Warren ..... 1.25  
Onion ..... 1.20  
Boys' ..... .85  
Ladies' ..... .75

**Potato Hooks**

5 Tine .....\$1.40  
6 Tine ..... 1.50

**Pruning Saws**

Disston No. 9 .....\$2.25  
Disston No. 15 ..... 3.00

**Rakes—Steel—Garden**

12 Tooth .....\$1.00  
14 Tooth ..... 1.20  
16 Tooth ..... 1.40  
Wood—Lawn ..... .90  
Wood—Hay ..... .75

**Scythes**

Grass .....\$1.75  
Bush ..... 1.75

**Scythe Snaths**

Regular .....\$1.50  
Bush ..... 1.75

**Shears, Pruning**

Taylor Pattern, with coil spring, 9 inches .....\$0.50  
California Pattern, with volute spring, 9 inches ..... .75  
Swiss Pattern, polish, 9 inches 1.75

**Shears, Grass**

True Vermonter .....\$1.25  
No. 263 ..... .50  
No. 19—Cronk ..... 1.75  
Goodwin ..... 2.00

**Shears, Hedge**

9 inch notched .....\$2.75  
6 inch ladies' ..... 2.00

**Scuffle Hoes**

8 inch blade .....\$1.25

**Trowels**

No. 25 Eagle .....15c.  
No. 809 Solid Steel .....25c.  
No. 100 Socket Pattern .....40c.  
Keystone 6 inch .....75c.

**Weeders**

Excelsior .....20c.  
Haseltine .....50c.  
Midget Norcross. Short handle for hand work .....40c.  
3-Prong Norcross ..... .85  
5-Prong Norcross ..... 1.10  
Diamond ..... .25



# PLANTING TABLE

Quantity of Seeds or Number of Plants Required for a Row 100 Feet in Length, with Distance to Plant and Time for Planting

Kind of Vegetable	Seeds or Plants Required for 100 feet of Row	Distance for Plants to Stand Hand Cultivation		Depth of Planting	Time of Planting in Open Ground	Ready for Use After Planting
		Rows Apart	Plants Apart in Rows			
Asparagus, seed..	1 ounce	1 to 2 ft.	3 to 5 in.	1 to 2 in.	Early spring .....	3 to 4 years
Asparagus, plants	60-80 plants	12 to 24 in.	15 to 20 in.	3 to 5 in.	Early spring .....	2 to 3 years
Beans, bush.....	2 pounds	18 to 24 in.	3 to 4 in.	1 to 2 in.	April to July .....	40 to 65 days
Beans, pole.....	1 pound	3 to 4 ft.	3 to 4 ft.	1 to 2 in.	May and June .....	50 to 80 days
Beets .....	2 ounces	12 to 18 in.	5 or 6 to ft.	1 to 2 in.	April, May and June .....	90 to 120 days
Cabbage, early...	½ ounce	24 to 30 in.	12 to 18 in.	½ in.	April and May. (Start in hot- bed during March).....	90 to 130 days
Cabbage, late.....	½ ounce	24 to 36 in.	16 to 24 in.	½ in.	May and June .....	90 to 130 days
Carrot .....	1 ounce	18 to 24 in.	6 or 7 to ft.	½ in.	April to June .....	75 to 110 days
Cauliflower .....	½ ounce	24 to 30 in.	14 to 18 in.	½ in.	April to June. (Start in hot- bed during March).....	100 to 130 days
Corn, sweet .....	1 pound	30 to 36 in.	30 to 36 in.	1 to 2 in.	May and June .....	90 to 120 days
Cress .....	½ ounce	12 to 18 in.	4 or 5 to ft.	½ to 1 in.	March to May. April to June	30 to 40 days
Cucumber .....	½ ounce	4 to 6 ft.	4 to 6 ft.	1 to 2 in.	May to July .....	80 to 100 days
Endive .....	1 ounce	18 in.	8 to 12 in.	½ in.	May .....	90 to 110 days
Kohl-rabi .....	½ ounce	18 to 24 in.	4 to 8 in.	½ in.	April to June .....	60 to 90 days
Lettuce .....	½ ounce	12 to 18 in.	4 to 6 in.	½ in.	April to August .....	60 to 90 days
Melon, muskmelon	1 ounce	6 to 8 ft.	Hills 6 ft.	1 to 2 in.	May and June .....	120 to 150 days
Melon, watermelon	1 ounce	8 to 12 ft.	Hills 10 ft.	1 to 2 in.	May and June .....	100 to 120 days
Mustard .....	½ ounce	12 to 18 in.	4 or 5 to ft.	¼ in.	April and May .....	60 to 90 days
Onion, seed.....	1 ounce	12 to 18 in.	4 or 5 to ft.	½ to 1 in.	April and May .....	130 to 150 days
Onion, sets.....	1 quart of sets	12 to 18 in.	4 or 5 to ft.	1 to 2 in.	March to May .....	90 to 120 days
Parsley .....	1 ounce	12 to 18 in.	3 to 6 to in.	¼ in.	Early spring .....	90 to 120 days
Parsnip .....	1 ounce	18 to 24 in.	5 or 6 to ft.	½ to 1 in.	April and May .....	125 to 160 days
Peas .....	2 pounds	30 to 36 in.	15 to ft.	2 to 3 in.	March to July .....	60 to 90 days
Pepper .....	½ ounce	18 to 24 in.	15 to 18 in.	½ in.	May and June .....	100 to 120 days
Potato, Irish .....	5 lbs. (or 9 bu. per acre)	24 to 36 in.	14 to 18 in.	1 in.	April to June .....	80 to 140 days
Pumpkin .....	1 ounce	8 to 12 ft.	Hills 8 to 12 ft	1 to 2 in.	May to July .....	100 to 140 days
Radish .....	1 ounce	12 to 18 in.	8 or 12 to ft.	½ to 1 in.	March to September .....	20 to 40 days
Rhubarb, plants..	33 plants	3 to 5 ft.	3 ft.	2 to 3 in.	Early spring .....	1 to 3 years
Rutabaga .....	1 ounce	18 to 24 in.	6 to 8 in.	½ in.	May and June .....	60 to 80 days
Spinach .....	2 ounces	12 to 18 in.	7 or 8 to ft.	1 to 2 in.	September or early spring....	40 to 60 days
Squash, bush .....	1 ounce	3 to 4 ft.	Hills 3 to 4 ft.	1 to 2 in.	May and June .....	70 to 90 days
Squash, late.....	1 ounce	7 to 10 ft.	Hills 7 to 9 ft.	1 to 2 in.	May and June .....	120 to 160 days
Turnip .....	1 ounce	18 to 24 in.	6 or 7 to ft.	¼ to ½ in.	May to July .....	60 to 80 days

TABLE SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE

Barley, broadcast	2 to 3 bush.	Onion Sets, in drills	8 bush.
Beans, Dwarf, in drills	1¼ bush.	Parsnip, in drills	5 lbs.
Beans, Pole, in hills	10 to 12 qts.	Peas, Canada field, broadcast	120 to 150 lbs.
Beets, Table, in drills	6 lbs.	Peas, Canada field, with oats	75 to 90 lbs.
Beets, Mangel-Wurzel	6 lbs.	Peas, cow, broadcast	60 to 75 lbs.
Buckwheat	1 bush.	Peas, cow, in drills	45 to 60 lbs.
Cabbage, in beds to transplant	¼ lb.	Potatoes (Cut Tubers)	10 bush.
Carrot, in drills	3 to 4 lbs.	Pumpkins, in hills	4 lbs.
Clover, Alsike, alone	5 to 6 lbs.	Radish, in drills	8 lbs.
Clover, Alsike, in mixture	2 to 4 lbs.	Rye, broadcast	1½ bush.
Clover, Crimson	12 to 15 lbs.	Rape, broadcast	6 to 8 lbs.
Clover, Red, alone	8 to 12 lbs.	Rape, in drills	4 to 5 lbs.
Clover, Red, in mixture	4 to 6 lbs.	Sage, in drills	8 lbs.
Clover, Sweet, unhulled	25 to 30 lbs.	Spinach, in drills	10 lbs.
Clover, White,	4 to 3 lbs.	Squash (Bush Varieties), in hills	2 lbs.
Clover, Lucerne or Alfalfa	20 lbs.	Squash (Running Varieties), in hills	4 lbs.
Corn, Sweet, in hills	10 qts.	Soy Beans, broadcast	60 to 90 lbs.
Corn, for ensilage	16 qts.	Soy Beans, in drills	30 to 45 lbs.
Cucumber, in hills	2 lbs.	Soy Beans, in drills with corn	15 to 20 lbs.
Grass, Kentucky Blue	42 lbs.	Sunflower	6 to 8 lbs.
Grass, Orchard	22 lbs.	Tomato, to transplant	¼ lb.
Grass, Red Top (Recleaned)	6 lbs.	Turnip, broadcast	2 lbs.
Grass, Timothy	½ bush.	Turnip, in drills	1½ lbs.
Grass, Hungarian	1 bush.	Vetch, Hairy, drilled (plus 1 bu. small grain)	40 to 50 lbs.
Grass, Lawn	75 lbs.	Vetch, Hairy, broadcast plus 1 bu. small grain)	50 to 60 lbs.
Melon, Musk, in hills	2 to 3 lbs.	Vetch, Spring, plus 1 bu. small grain	80 lbs.
Melon, Water, in hills	4 to 5 lbs.	Wheat, broadcast	1½ to 2 bush.
Millet, Japanese	20 lbs.		
Millet, Golden	1 bush.		
Oats, broadcast	2 to 3 bush.		
Onion, in drills	5 lbs.		

